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ANNUAL PUBLIC HEALTH REPORT

OF THE

PROVINCE OF BIHAR AND ORISSA

FOR THE YEAR

1934

AND THE

ANNUAL VACCINATION REPORT

FOR THE YEAR

1934-35

BY

Major S L. MITRA, D.P.H., I.M.S.,
Offg. Director of Public Health, Bihar and Orissa.

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PROVINCE OF BIHAR & ORISSA

Scale 1" = 64 Miles

REFERENCES

Boundary:– Division . . . . . .

" District . . . . . .

" Sub-division . . . . . .

" State . . . . . .

REFERENCE TO NUMBERS

1 KARAIKELA
2 NILGIRI
3 NARSINGHPUR
4 BARAMBA
5 TIGIRIA
6 ATHGARH
7 KHANDPARA
8 RANPUR

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Annual Public Health Report of the Province of Bihar and Orissa for the year 1934.

CHAPTER I.

Meteorology; prices of grains, etc.

1. Rainfall.—

The following short account of the meteorological conditions in the province during the year 1934 is taken from the report of the Director-General of Observatories :—

The total rainfall in January was in excess in Chota Nagpur and Bihar by 0·55″. A depression formed over the East Central Provinces caused scattered falls of rain over the whole of Bihar and Chota Nagpur towards the end of the month. Both the maximum and the minimum temperatures were below normal in the Province and humidity was in defect in Orissa and Chota Nagpur.

The total rainfall in February was in defect by 0·53″ in the province. But a low pressure area over Sind associated with high temperature was responsible for thunder showers in Bihar and Chota Nagpur on the 17th February. The maximum temperature was in slight excess in Bihar and Chota Nagpur but the minimum temperature was below normal in Orissa. Humidity remained in defect in Orissa and Chota Nagpur.

The total rainfall in March was in slight defect over the whole province. The maximum temperature was more than the usual, but the minimum temperature recorded below normal and the humidity remained in defect.

The total rainfall for the month of April was in slight defect over the whole province. Both maximum and minimum temperatures were above normal, but the humidity continued to be in defect.

The total rainfall in May was in defect by 69 per cent although scattered thunder showers occurred in the province during the month causing loss of several lives by lightning in North Bihar. Both maximum and minimum temperatures remained above normal and the humidity continued to be in defect throughout the whole province.

The total rainfall in June was in defect by 30 per cent. The depression that formed at the head of the Bay of Bengal on the last day of the month was responsible for the extension of monsoon into the province. The maximum temperature was above normal but the minimum temperature recorded slightly below normal. Humidity was roughly normal everywhere in the province.

The total rainfall in July was in excess by 11 per cent and a wide spread rain in North Bihar was responsible for severe floods which were accentuated by the changes in level due to the great earthquake in January. The maximum temperature and the humidity were normal, but the minimum temperature recorded slightly above normal.

The total rainfall in August was in moderate defect in the province, but the sky was more clouded than usual in Orissa and a heavy rain in the Gangetic valley caused severe floods in the Ganges as a result of which considerable damage was done in North Bihar specially in the district of Saran. Maximum temperature was normal but the minimum temperature and humidity recorded slightly above normal.

The total rainfall in September was in excess by 13 per cent. The maximum temperature recorded slightly below normal, but both the minimum temperature and humidity were above normal.

The total rainfall in October was in defect by 14 per cent. Both maximum and minimum temparatures were recorded below normal and the humidity was in slight excess.

The total rainfall in November was in large defect in Orissa, but it was in slight excess in Bihar and in moderate excess in Chota Nagpur. Both maximum and minimum temperature recorded below normal and the humidity remained less than the average by 3 per cent.

The total rainfall in December was in defect by 59 per cent in the province. The maximum and mimimum temperatures and the humidity recorded above normal.

The total rainfall in the province during the year under report was 48·5″, that is 3·87″ in defect over the usual fall.

Orissa experienced shortage of 2·2″ while Chota Nagpur a shortage of 5·6″ and Bihar had 4·5″ below the normal rainfall.

2. Price of common grains.—

The average price of common rice varied from 10 seers to the rupee in Shahabad to 24 seers 10½ chhataks in Angul. But in majority of the districts it remained over 13 seers as against 12 seers in the previous year.

*The following statement shows the average monthly price of common rice at the headquarters of the districts of the whole province for the year 1934 :—

Quantities per rupee in seers of 80 tolas.

District.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.	Sr. Ch.
Patna	15 10	14 2	14 8	14 10	14 4	14 0	14 0	13 0	12 8	11 13	13 0	14 2
Gaya	15 12	15 4	14 8	15 8	14 12	13 12	12 12	12 8	13 8	13 8	13 4	14 8
Shahabad	13 0	13 0	13 0	13 0	12 8	12 0	11 12	10 8	10 0	11 0	11 4	11 8
Saran	13 0	13 0	13 0	13 0	12 8	12 8	12 12	11 4	11 0	11 8	11 8	13 0
Champaran	13 8	12 0	11 11	11 4	11 0	10 4	10 0	10 8	11 8	14 0	13 12	14 0
Muzaffarpur	12 8	12 4	12 4	12 0	12 0	11 8	11 8	11 8	11 4	11 0	11 0	11 8
Darbhanga	11 12	11 14	11 8	12 0	12 4	11 10	11 0	11 8	11 2	10 8	13 0	12 0
Monghyr	11 12	11 10	11 12	11 2	13 0	13 0	13 0	12 0	12 0	12 0	12 0	12 0
Bhagalpur	15 10	15 4	13 0	13 4	13 4	13 8	12 8	11 8	11 4	12 0	12 8	13 8
Purnea	15 0	14 8	13 0	13 0	12 4	11 8	11 0	10 8	10 0	10 0	11 0	13 0
Santal Parganas	19 0	17 0	16 8	15 12	16 0	14 12	15 0	13 6	13 8	14 0	17 0	15 8
Cuttack	17 11½	17 1	17 1	16 6½	14 7	13 2	13 2	12 12½	12 12½	14 7	15 12	17 1
Balasore	21 0	21 0	18 0	18 0	15 8	14 0	15 8	14 8	14 0	14 8	16 12	19 0
Angul	24 10½	23 1	22 8½	19 8	16 13	15 12	17 0	15 3	15 8	16 0	23 5	22 0
Puri	16 12	15 1½	15 1½	15 12	14 2	13 2	12 7½	13 2	13 7	12 7½	13 2	14 7
Sambalpur	23 5	20 4	20 4	20 4	16 14	15 12	15 12	15 12	15 12	15 12	20 4	20 4
Hazaribagh	15 8	14 0	14 0	14 0	13 8	13 0	13 0	11 14	12 0	12 12	14 0	13 12
Ranchi	16 8	15 4	15 0	14 0	13 2	12 8	11 8	12 0	12 0	12 0	12 0	13 0
Palamau	15 0	14 12	14 8	14 8	13 10	12 12	13 8	12 8	12 6	12 12	13 8	15 0
Manbhum	16 0	16 0	15 0	15 0	13 8	13 8	14 0	12 0	11 0	11 8	12 0	12 0
Singhbhum	15 0	15 0	15 0	15 0	12 4	12 0	12 0	11 8	12 0	12 8	13 8	12 0

*Price prevailing on the last day of the month

The average price of common rice during 1932, and 1933 varied from 5 seers to 16 seers 12 chhattacs and 10 seers 2 chataks to 27 seers 13 chhataks to the rupee respectively. The average price of common rice during the five years 1927—1931 ranged from 4 seers to 25 seers 3 chhataks as compared to 4 seers to 16$\frac{13}{16}$ seers to the rupee, in the previous quinquennium. It will therefore appear that the price of rice has been steadily going down during the last decade.

CHAPTER II.

Vital Statistics.

1. General Census.—

The census of 1931 recorded a population of 37,677,576 for the province. This figure has been used to calculate all the ratios in this report. The report does not include the population and vital occurrences of Orissa States.

The mid-year population based on the natural increase method, i.e., by addition of excess of births over deaths from the 1st July 1933 to 30th June 1934, was 39,050,029 as against 38,627,495 of the previous year. This, however, does not give the exact population figure, because the fluctuation caused by the annual emigration and immigration has not been accounted for. Besides, the method of recording births and deaths specially in the rural areas still remains faulty. Every year a large number of labourers emigrate from this province to Bengal and Assam but no means exist to find out the figures of emigration and immigration.

2. The estimated population for the year under review was 38,779,485. This figure has been calculated on the assumption that the population increased by arithmetical progression.

The following two statements record the estimated population in various age groups and also the ratios of births and deaths from the chief diseases, calculated on the estimated population of 1934 :—

STATEMRNT A.

Population according to age group of the province of Bihar and Orissa.

1	2		3		4		5		6	
—	Under one year.		One and under five years.		Five and nnder ten years.		Ten and nnder 15 years.		15 and under 20 years.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Censns, 1921	488,341	490,725	1,434,380	1,565,592	2,735,082	2,648,138	2,170,629	1,827,533	143,377	1,350,659
Census, 1931	459,557	467,993	2,274,148	2,400,907	2,642,921	2,430,279	2,302,350	2,043,919	1,563,970	1,620,928
Decennial increase or decrease	—28,784	—22,732	+839,768	+835,315	—92,161	—217,859	+131,721	+216,386	+130,193	+270,272
Annnal increase or decrease, 1934.	—8,634	—6,819	+251,931	+250,573	—27,648	—65,358	+39,516	+64,917	+39,057	+81,081

1	7		8		9		10		11	
—	20 and under 30 years.		30 and nnder 40 years.		40 and nnder 50 years.		50 and under 60 years.		60 years and npwards.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Census, 1921	2,609,645	2,967,551	2,453,659	2,602.387	1,725,545	1,748,766	963,182	1,018,973	749,626	1,018,002
Cens us, 1931	3,218,213	3,422,319	2,714,059	2,737,421	1,865,043	1,811,586	1,069,752	1,099,899	684,125	848,187
Decennial increase or decrease	+608,568	+454,768	+260,400	+135,034	+139,498	+52,820	+106,570	+80,926	—65,501	—169,815
Annual increase or decrease, 1934.	+182,571	+136,431	+78,120	+40,509	+41,850	+18,646	+31,971	+24,279	—19,650	—50,943

STATEMENT B.

Ratios of births and deaths from chief diseases calculated on the estimated population of 1934.

—	Male.	Female.	Total.
Births	16·8	15·9	32·7
Total deaths	26·3	24·3	25·3
Cholera	1·5	1·4	1·5
Small-pox	0·8	0·8	0·8
Plague	0·1	0·2	0·1
Fevers	17·9	16·7	17·3
Dysentery and Diarrhoea	0·6	0·6	0·6
Respiratory diseases	0·2	0·1	0·2

3. The total number of births in this province during the year was 1,268,330 as compared to 1,346,948 in the previous year. This means a decrease of 78,618 births or 2·1 per thousand population, from those recorded in the preceding year. The provincial birth-rate for the year 1934 was 33·66 as compared with 35·72 in 1933 and 33·8 in 1932. The average birth-rate for the last ten years was 33·5.

The statement below gives figures regarding birth-rates in other provinces :—

Province.	Birth-rate per mille of population.
Bihar and Orissa	33·66
Bengal	29·34
United Provinces	36·74
Central Provinces	44·80
Punjab	40·01
Bombay	35·79
Madras	36·17
Burma	30·22
Assam	30·62
North-West Frontier Provinces	30·83

4. Birth Registration.—

The highest birth-rate 45·0 was recorded in the Gaya district and lowest birth-rate 25·7 in the district of Singhbhum. Tikari, Revelganj and Daudnagar recorded birth-rates of 53·3, 44·0 and 37·0 respectively whilst Jamshedpur, Deoghar and Sahebganj recorded the lowest rates, namely 4·3, 5·9 and 6·5 respectively.

The mean birth-rate for the towns was 19·4 and for the rural areas of the districts 34·8. The majority of the towns and the districts recorded birth-rates near the mean figures. The exceptions, both high and low, are few and the variations occur amongst comparatively small populations and do not greatly affect the average rate.

5. Deaths.—

The total number of deaths in the province during the year under review was 981,599 as compared to 833,397 in the previous year. This means an increase of 148,202 deaths or 3·9 per mille population over those recorded in the preceding year. This rise is due to larger number of deaths from cholera and fever. The provincial death-rate for 1934 was 26·0 as compared with 22·1 in 1933 and 20·6 in 1932. The average death-rate for the last ten years was 23·7.

The statement below shows comparative death-rates in other provinces —

	Death-rate per mille of population.
Bihar and Orissa	26·05
Bengal	23·58
United Provinces	26·75
Central Provinces	37·22
Punjab	27·70
Bombay	25·42
Madras	24·95
Burma	20·62
Assam	19·64
North-West Frontier Provinces	21·06

6. Death Registration.—

The highest death-rates were recorded in the districts of Balasore, Cuttack and Sambalpur as 37·0, 36·0 and 35·7 respectively whilst the lowest were recorded in Singhbhum, Manbhum and Darbhanga districts as 17·4, 20·5 and 21·1 respectively. Amongst the towns in the province the highest death-rates were recorded in Gaya (39·2), Puri (35·7) and Sitamarhi (33·4) and lowest in Dumka (3·1), Deoghar (3·8) and Dumraon (4·3).

The rate of increase in the population, i.e., the excess of birth-rate over the death-rate in the province was 7·7 as compared with 13·6 in the previous year.

The Orissa division again recorded the highest death-rate (34·9) and the districts of Cuttack and Balasore recorded excesses of death-rates by 1·2 and 8·3 respectively over the birth-rates.

7. Mortality according to age, class and sex.—

The mortality rate based on the census figures of 1931 was 226·5 for male infants and 184·0 for female infants under one year of age per mille population, as compared to the corresponding figures 215·1 and 177·8 in the previous year. But when calculated from the actual births recorded in 1934, the mortality rate for infants under one year was found to be 159·43 for males and 139·9 for females per mille with the total infant mortality rate of 149·95 per mille, as against the corresponding total of 135·2 in 1933. The mortality rate for the urban areas was 172·4 and that for the rural areas 149·4. With the termination of the 1st year of life the rate fell to 49·3 for males and 44·2 for females as compared with the corresponding fall to 38·4 and 34·7 in the previous year. As usual the total mortality amongst males was higher than that amongst females in the ratio of 108 to 100.

There were as usual considerable differences in the death-rates amongst the different classes of community. The death-rate was highest amongst Hindus (26·6) and the lowest amongst Budhist (6·5). The Muhammadan death-rate was (22·6), the Christian death-rate was (17·7) and that of other classes (25·8).

8. Verification of the registration of vital occurrences.—

Registration of vital occurrences is compulsory in all the 58 municipalities of the province. The accuracy of 22,500 vital occurrences was investigated and verified by the health officers and by the officers of the Vaccination Department. Eighty-one omissions were detected, 58 prosecutions were instituted and 28 convictions were obtained. This forms only a very small fraction of the births and deaths in the province. The registration of vital occurrence is not compulsory in rural areas and the reporting agency in these areas, as well as in most municipalities, is the police. This system although it prevails in every part of India, cannot be said to be satisfactory, specially with regard to the classification of the causes of deaths. In rural areas the chaukidars are the principal reporting agents. These chaukidars are mostly illiterate and report exactly what they are told by the villagers, as regards the cause of death. It is obvious therefore that classification based on such diagnosis cannot be accurate.

An attempt has been made during recent years to transfer the responsibility of collection, tabulation and verification of the vital occurrences to the staff of the bigger municipalities. A partial transfer has also been effected in Ranchi, Puri, Gaya, Chapra and Muzaffarpur municipalities where both the municipality and police report these statistics separately. The figures thus supplied by the police and those by the municipal health staff are compared and cases of under and over reporting are verified. It is expected that as more and more municipalities appoint their own health officers they will be in a position to assume the responsibility of collecting and registering accurate vital statistics.

Verification of Vital Statistics in rural areas.—In rural areas 123,127 vital occurrences were verified by the vaccination staff as against 33,141 in 1933. Verification of vital occurrences in rural areas is much more difficult specially in the districts which do not maintain complete health organisations under district health officers. District health officers, where such officers exist, check the figures supplied by the vaccinators and the Civil Surgeons are able to compare and verify the figures supplied by the police with those furnished by the health officers.

9. Publication of Vital Statistics.—

The weekly publication of vital occurrences for all the municipal towns in the province with a population of over 20 thousands continued throughout the year.

Weekly epidemic reports from all the districts showing attacks and deaths from cholera, small-pox, plague and influenza were published regularly in the *Bihar and Orissa Gazette* and also in some of the newspapers.

By the publication of these statistics it is hoped to keep the public informed of the actual state of health of the larger towns and of the prevalence of disease in the districts. Publicity of this kind also demonstrates the utility of vital statistics and helps to create an interest in the mind of the people for general public health.

CHAPTERS III AND IV.

State of Public Health in the Province and History of the Chief diseases—Epidemiology.

1. Comparative incidence of the chief diseases.—

The undermentioned statement compares the ratio under the chief heads of mortality in 1934 with the average ratio of the previous ten years :—

—	Urban.		Rural.		Combined.	
	Ten years' average.	1934.	Ten years' average.	1934.	Ten years' average.	1934.
1	2	3	4	5	6	7
Cholera	1·0	0·9	1·5	1·5	1·5	1·5
Small-pox	0·6	0·6	0·5	0·8	0·5	0·8
Plague	0·1	0·08	0·2	0·1	0·2	0·1
Fevers	7·8	7·3	16·5	18·2	16·0	17·8
Dysentery and Diarrhœa ...	0·8	1·0	0·5	0·6	0·5	0·6
Respiratory diseases	0·5	0·6	0·1	0·2	0·2	0·2
Injuries	0·4	1·2	0·3	0·4	0·3	0·4
All other causes	0·9	5·2	4·4	4·5	4·4	4·5
Total ...	16·2	16·7	24·0	26·4	23·7	26·0

The death-rate appears to have increased from 22·1 in 1933 to 26·0 per mille population in 1934. The rise in the mortality seems to have occurred from every disease except small-pox. The increase in the number of deaths was chiefly due to larger number of deaths from cholera and fever under which death-rates of 1·5 and 17·8 were reported as against 0·5 and 15·2 in the preceding year.

Malaria is quite common in many of the districts, but in the absence of any arrangement to report correct diagnosis it is not possible to say what percentage of deaths under fevers is definitely due to malaria.

The urban death-rates for cholera, small-pox, plague and fevers were lower than those of the rural areas. This is ascribed to better standard of sanitations in the municipal towns, but the mortality rate from the respiratory diseases still remains higher in the urban areas. The incidence of tuberculosis is reported to be increasing in many of the bigger towns. This disease together with Influenza and Pneumonia is mainly responsible for the increased death-rate from respiratory diseases. Cases of tuberculosis are commonly met with particularly in towns which are considered to be health resorts. Control of tuberculosis particularly in the bigger towns is necessary.

2. Cholera statistics.—

The death-rate from cholera rose from 0·5 per mille in 1933 to 1·5 per mille in 1934. The districts of Palamau, Monghyr and Balasore reported the highest death-rate from cholera, viz. 3·9, 3·5 and 3·3, respectively. Amongst the towns Jamalpur (8·2), Jajpur (3·7) and Colgong (2·8) reported highest death-rates.

3. Cholera in the Province.—

The total number of deaths from cholera in 1934 was 57,289 as compared with 17,514 in 1933. Cholera started in an epidemic form in the districts of Balasore, Cuttack and Puri since the beginning of the year and it was prevalent more or less throughout the year in these districts. Since March and April 1934, most of the districts started to report sporadic cases of cholera but from the beginning of May 1934 the disease assumed a definitely epidemic character in most of the districts of South Bihar and Chota Nagpur. The districts of North Bihar, although they were the worst affected by the earthquake, were comparatively much less affected by cholera during the year.

A comparative study of mortality figures from cholera district by district from 1928 to 1934 shows that the disease was widely prevalent in certain districts of South Bihar, Orissa and Chota Nagpur, viz. Patna, Gaya, Shahabad, Cuttack, Puri, Balasore and Palamau in 1929 and 1930 ; certain districts in North Bihar particularly Muzaffarpur and Darbhanga were also severely affected. The year under review proved again a bad cholera year for the above mentioned districts in South Bihar, Orissa and Chota Nagpur.

4. Cholera preventive measures.—

With the growth of public health organisations in districts there is rapidly being created in those districts which employ health officers an efficient and well trained staff to deal with outbreaks of cholera as soon as they occur. Twelve district boards continued to maintain health officers with a suitable subordinate health staff. There were as usual fewer demands for extra epidemic doctors to combat cholera from these districts. But when the outbreak became serious and widespread and the district staff were unable to cope with the situation, temporary epidemic doctors had to be detailed from this department. Demands for epidemic doctors were numerous from the districts which have no permanent health organisations. 45 such epidemic doctors were detailed to assist the local bodies to combat cholera epidemics. Besides at the request of the Civil Surgeon, Monghyr, a medical officer of health of the cadre was temporarily appointed as the health officer, Monghyr district board, as soon as cholera assumed serious proportions in the district to control the epidemic.

Stock of disinfectants such as bleaching powder, permanganate of potash and also kaolin for use for the treatment of cholera cases are kept in reserve by the district boards. If required the Civil Surgeons' requisition for these disinfectants and drugs from the Director of Public Health, Bihar and Orissa ; the

local bodies also get supplies of these disinfectants from Goverment in cases of emergency. Government also maintain a large stock of cholera vaccine at the Vaccine Depot, Namkum. The Superintendent, Vaccine Depot, is generally asked by telegram to despatch the vaccine immediately wherever it is required in the province. The number of doses of cholera vaccine issued has steadily increased and from 1 28, 240,000 ; 656,300, 731,000 ; 666,510 ; 241,235 ; 458,822 and 749,305 doses were supplied each year up till 1934. This preventive measure is getting more and more appreciated and now hardly any objection is raised to its use even in the remote villages. There are now indications to show that people of their own accord offer themselves for inoculations at the approach of the cholera season. The use of bacteriophage for the prevention and treatment of cholera is dealt with in chapter XV.

5. Small-pox.—

The total number of deaths from small-pox during 1934 was 30,310 as compared with 42,674 in 1933. The mortality rate for the year 1934 was 0·8 as against 1·1 in the preceding year. From 1925 to 1933 the case mortality from small-pox rose high during 1925-26 and 1933-34 in this province. The lower death-rate of small-pox in 1934 is what would be expected to follow the epidemic wave during the previous year.

The rural areas suffered more than the urban areas and the highest death-rate was registered in the districts of Cuttack (3·3) and Purnea (2·9) whilst the districts of Muzaffarpur, Saran, Champaran and Darbhanga returned the lowest death-rates, namely (0·1), (0·2), (0·2) and (0·2) respectively. Amongst the towns Puri, Jamalpur and Daudnagar reported highest date-rates, namely (5·0), (3·2) and (2·5).

Primary vaccination is carried on extensively in all the districts and is compulsory in the municipal areas but wholesale vaccination and revaccination are deemed essential for the prevention of the occurrence of this disease. Until 1931 primary vaccination was only compulsory in the districts of Patna, Muzaffarpur and Hazaribagh. Compulsory primary vaccination was enforced in subsequent years in the districts of Saran, Champaran, Purnea, Bhagalpur, Darbhanga, Puri and Gaya. All these districts except Hazaribagh have health organisations under district health officers. With the introduction of compulsory vaccination and the extension of sections 92 to 96 of the Local Self-Government Act, the control has been handed over to the local bodies; and the health officers of Gaya, Shahabad, Saran, Muzaffarpur, Purnea, Darbhanga, Patna, Champaran, Bhagalpur, Puri, Cuttack and Balasore have been appointed Superintendents of Vaccination.. The inspection of vaccination is now done by the district health staff in these districts and Government vaccination inspecting staff have been withdrawn. The Civil Surgeons still exercise the powers of the Superintendents of Vaccination in places where the local bodies have no health officers. Government exercise control over this important public health measures through the Assistant Directors of Public Health who make annual vaccination inspection tours in their circles and submit special reports on this work. To make supervision of vaccination still more effective, a Special Vaccination Inspector has been appointed and placed under each of the Assistant Directors of Public Health of South Bihar, North Bihar and Chota Nagpur and Orissa Circles. It is expected that in the near future all the districts of the province will take over direct control of the administration of this important public health measure.

It is a known fact that vaccination prevents outbreaks of small-pox but still the rate of mortality from this disease tends to show sharp rises at times in this province. This is due to the fact that a large number of children escape even primary vaccination and thus remain unprotected. Besides, the immunity conferred by vaccination passes off within six to seven years. It is therefore quite clear that so long as vaccination and also revaccination are not made compulsory throughout the province, the incidence of small-pox will continue. The vaccine lymph manufactured at the Vaccine Depot, Namkum, is supplied throughout the province free of cost.

6. Plague statistics.—

5,411 deaths occurred from plague in the province during the year under report as against 1,635 in the preceding year. The mortality rate for the year 1934 was 0·1 as compared with 0·04 in the previous year or one-half of the decennial average (0·2). During the year under report an upward trend in the mortality curve was recorded but the incidence remained mostly confined to the endemic foci. There are certain isolated tracts in the districts of Muzaffarpur, Saran, Darbhanga and North Monghyr where plague starts with the approach of the winter season, reaches its maximum intensity during February and March and declines with the advent of the summer months. The district of Muzaffarpur with 1,832 deaths again recorded the highest death-rate (0·6) followed by Saran (0·6), Darbhanga (0·4) and Monghyr (0·2.)

Besides these, plague broke out again after many years of absence in the district of Champaran where 107 deaths occurred from this disease against none in the preceding year. Out of them 63 deaths were reported from Bettiah town which got infected immediately after the earthquake and continued to show mild incidence of the disease almost throughout the year with the exception of a short period during the hot months.

The usual measures of rat destruction, inoculation and evacuation followed by disinfection of floors and lower portion of the walls of the infected houses with kerosene oil emulsions were carried out. Government epidemic doctors were also made available for plague duties in the affected areas. 46,105, 40,897, 9,315 and 1,189 anti-plague inoculations were performed in the districts of Saran, Muzaffarpur, Darbhanga and Champaran respectively.

7. Dysentery and Diarrhœa.—

23,481 deaths were recorded as against 17,064 deaths in the preceding year and the mortality rate was 0·6 as against the decennial mean of 0·5. Orissa division again registered 18,684 or 79 per cent deaths of the total mortality of 23,481 from this group of diseases. The towns which registered highest death-rates were Kendrapara (6·1), Puri (6·0) and Sambalpur (4·1).

The highest death-rate in the districts of Orissa from these diseases is probably due to the climatic conditions and to a large extent is associated with bad state of water-supplies and defective sanitation in these districts. The arrangement for a piped water-supply is just completed at Puri. This improvement in the water supply, it is hoped, will soon result in a decrease of the incidence of these diseases in that town.

CHAPTER V.

Fairs and Festivals.

1. The towns of Puri, Gaya and Deoghar are regarded as sacred places of the Hindus by the people of India. These places attract large numbers of pilgrims every year from all over India. Besides these, a great many melas are also held every year in different parts of the province. Some are of purely local interest and are attended by the people of the district in which it is held and of the adjoining districts. Many of these melas are cattle fairs held in connection with religious festivals. The Pitripaksh mela usually held in the month of September in Gaya attracts the largest number of pilgrims in South Bihar. The biggest cattle fair, usually known at Harihar Chatra, is held annually in the month of November at Sonepur in the district of Saran. This lasts for a fortnight and is attended by about one and half lakhs to 2 lakhs of visitors.

2. The Snan and Rath Jatra festivals were held in Puri on the 27th June and 13th July 1934. 75,000 pilgrims visited Puri during the car festival. Five Sub-Assistant Surgeons of epidemic cadre were deputed and one temporary medical officer was appointed by the Puri Municipality for the occasion. The town was divided into six sanitary wards and each ward was put

under the charge of a medical officer. The sanitary arrangements and preventive measures against cholera were undertaken as usual. 275 public, lodging house and Dharamshala wells were regularly treated with choleraphage during the mela period. About 1,550 private wells were once chlorinated before the mela and subsequently treated with phage when required. All the railway station wells at Bhubaneshwar, Khurda Road, Delang, Sakhigopal, Malatipatpur and Puri as well as wells along the Jagannath Trunk Road and in Bhubaneshwar and Sakhigopal towns were regularly treated with the phage during mela period.

Out of the 29 important wells used for drinking water supplies, 5 were fitted with petrol pumps with overhead tanks and taps and 9 with hand-pumps by the Engineering Branch of the Public Health Department. Of the remaining 15 wells, 5 were fitted with hand-pumps with over-head tanks and taps and ten with only hand-pumps with cooly guards at the cost of the municipality. Special arrangements were made for prompt reporting of the cases of infectious diseases occurring in Dharamshalas, lodging houses and private houses by the house owners and medical practitioners. Ambulance carts were posted as usual at different places for the prompt removal of cholera patients.

Anti-cholera inoculations were carried out chiefly among the residents of Puri before the mela. 16,526 anti-cholera inoculations were performed as against 38,384 in the preceding year. In view of the encouraging results obtained by the use of choleraphage in recent years in the province, choleraphage was extensively used on this occasion and the operation of anti-cholera inoculation was restricted to the permanent inhabitants of the town and to those pilgrims who offered themselves to be inoculated. From the 26th June all cholera contacts were treated with choleraphage. Choleraphage was also distributed freely among the pilgrims through the drinking water. Sealed tubes of choleraphage were also supplied to the Puri cholera hospital to be used for treatment. Cholera had been prevalent in the town since January 1934. It threatened to become serious in April when on one particular date 20 cases were reported simultaneously. It is gratifying to note that although cases of cholera were occurring at the time in the district and also in most parts of India from where the visitors had been largely drawn the incidence of cholera in the mela area did not assume high proportions. The total number of cholera cases reported during the car festival was 95 against 89 of the preceding year of whom 93 were admitted in the cholera hospital and 2 were treated by private doctors. There were 14 deaths among these patients against only one in the previous year.

3. The Sonepur fair, the biggest fair in India, officially opened this year on the 17th November and lasted for a fortnight. Three lakhs of people visited the mela during this period. About a lakh and a half of pilgrims assembled on the bathing day, that is on the 21st November 1934. Special sanitary arrangements as in the previous years were made by the Public Health Department in conjunction with the district board authorities. All the wells in the mela area numbering 65 were dewatered and chlorinated twice before the mela commenced and they were regularly phaged during the mela period. The main supply of drinking water was through the deep tube-wells fitted with pumps and overhead tanks from which it was distributed by means of pipes and standposts throughout the mela area as in last year. Three new taps in addition to four in the preceding year were put up in Bailhatta (cattle market). This provided ample water-supply in the area, and no one was found drawing water from Mahura and Mahi rivers which were made unfit for drinking. 61 trench latrines were provided and a special isolation hospital was put up for the treatment of cases suffering from infectious diseases. Three Medical Officers of Health of the Public Health Department were detailed for mela duty and the whole area was divided into three health units and each unit was placed in charge of a Medical Officer of Health deputed by the Public Health Department. Only one case of cholera was reported from the mela area. He was removed to the temporary isolation hospital where he was successfully treated.

Propaganda lectures illustrated with magic lantern slides on the causation and prevention of infectious diseases were delivered by the Medical Officers

of the Public Health Department. The danger of contracting and disseminating venereal diseases by the public visiting the mela through the prostitutes who gather in large numbers on this occasion was duly stressed in the course of the lectures. The special anti-venereal disease campagin started last year on the occasion of this mela was renewed again this year. Census taken of the prostitutes with their names, age, and place of last residence revealed the presence of 276 prostitutes camping in the mela area against 268 of the previous year. Popular magic lantern demonstrations, explaining the modes of infection and methods of prevention of the venereal diseases were held at different places. Packets of potassium permanganate and prophylactic ointments with instructions regarding their proper use were also distributed among the prostitutes as in the previous year.

4. The Pitripaksh mela at Gaya was held from 23rd September to 8th October 1934. Sixty-one thousand pilgrims visited Gaya during the mela period against 63,000 in the last year. The pilgrims were mostly accommodated in the lodging houses and Dharamshalas and special sanitary arrangements were made as usual. The lodging houses and the wells in the area including the water reservoir were regularly disinfected. Tap water was supplied to the old town and the railway station for longer hours during the mela period. Sixteen attacks and 5 deaths occurred from cholera during the mela period. Immediate steps were taken and the disease did not assume epidemic proportions.

5. Of the other important melas, Bhadra Purnima at Deoghar may be mentioned. The total number of the pilgrims who occupied the lodging houses and the camping ground sheds during the year is roughly estimated at about 10,000.

There has been a steady decrease in the number of pilgrims visiting Deoghar during the last three years. The number of licenses issued during the year under report was 76 with accommodation for 2,701 lodgers against 69 with accommodation for 2,862 lodgers of the previous year.

The usual sanitary and water-supply arrangements made for the mela were found satisfactory. A special medical officer from the Public Health Department was detailed for the mela period. No case of cholera or other infectious disease was reported.

Besides, numerous other fairs are annually held in the province. In the districts where health organisations exist, sanitary arrangements are made on these occasions by the local bodies under the direct supervision of the district health officers. The important melas are also attended by the Assistant Directors of Public Health who help the local bodies in organising sanitary arrangements. Special epidemic doctors are detailed by the Public Health Department whenever their services are requisitioned.

CHAPTER VI.

Urban Sanitation.

1. Thirty-two out of the 58 municipalities in the province were inspected by the Assistant Directors of Public Health during the year under review and reports on these inspections were duly submitted to Government. The financial condition of these municipalities remains the same and the prospect of employment of suitably qualified health officers in them still appears to be a remote possibility.

The towns of Gaya, Patna, Puri, Ranchi, Cuttack, Bhagalpur, Darbhanga and Monghyr have employed full-time health officers. The health officers of the first five named towns belong to the provincial public health cadre and are paid by Government while the latter three receive their pay from the municipal funds.

The necessity of appointment of health officers in the larger municipalities such as Muzaffarpur, Chapra, Cuttack, Ranchi, Monghyr, Arrah

and Purulia had been stressed for a number of years in the public health reports. It is gratifying to note that the municipalities of Cuttack, Ranchi and Monghyr have got health officers, but among the bigger municipalities the towns of Muzaffarpur, Arrah, Chapra and Purulia still remain without health officers. Besides, health officers are also badly needed for the towns of Bettiah, where plague has become endemic in recent years and also for Deoghar where a number of fairs are held annually in connection with religious festivals and multitudes of pilgrims congregate annually from all over India. Full-time health officers are considered essential for the efficient control of the health staff and effective performance of the sanitary duties. The Assistant Directors of Public Health have also recommended time and again in their inspection reports, the desirability of appointing health officers for these municipalities. Sanitary inspectors, by reason of their limited training are generally ill-fitted to manage the work of a health officer or to cope with the epidemics when they do occur in the town.

It is mostly from such municipalities that frequent demands are made for the services of Government epidemic doctors.

The recommendations made by the Assistant Directors of Public Health in their inspection reports involving small expenditure are usually carried out by the municipalities themselves, but bigger schemes and major public health projects for improved drainage, etc., have yet to wait till the finances of these bodies improve.

2. Expenditure on sanitation in municipal towns.—

The statement below shows the receipts and the expenditure for sanitary purposes during the year 1933-34 as compared with those of the previous year :—

Number of municipalities.	Total receipt including opening balance.		Heads of expenditure.	1932-33.	1933-34.	Percentage of expenditure to the total receipts.	
	1932-33.	1933-34.				1932-33.	1933-34.
1	2	3	4	5	6	7	8
	Rs.	Rs.		Rs.	Rs.		
58	5,03,654	54,84,254	Conservancy ...	10,81,526	10,68,090	21·5	19·5
			Drainage	2,12,820	1,84,145	4·2	3·3
			Water-supply ...	3,44,021	3,43,818	6·8	6·3
			Vaccination ...	14,935	15,038	0·3	0·3
			Epidemics ...	10,566	13,807	0·2	0·2
			Market and fairs ...	42,019	29,347	0·8	0·5
			Other sanitary charges	3,281	7,031	0·06	0·1
			Public Health staff ...	49,242	60,398	1·0	1·1
			Total ...	17,58,410	17,21,674	34·9	31·4
			*Contagious disease hospitals.	2,20,883	2,50,902	...	...

*This represents cholera hospitals and leper asylumns, etc. An expenditure of Rs. 2,50,902 has been incurred in 1933-34. The expenditure is mainly met from Government grants.

3. Chief sanitary works in municipal towns .—

The details of expenditure under this head are dealt with in the report of the Superintending Engineer, Public Health Circle.

CHAPTER VII.

Rural Sanitation.

1. The health organisation schemes continued to function during the year in the following districts, namely, Patna, Gaya, Shahabad, Muzaffarpur, Saran, Champaran, Darbhanga, Bhagalpur, Purnea, Cuttack, Puri and Balasore. Each of these districts has a fully qualified health officer with the requisite number of subordinate health staff. Some of the districts have been divided into circles and an assistant health officer of L. M. P. qualification has been posted in the subdivisional headquarters.

The services of Government paid health officers have been lent to the district boards of Gaya, Muzaffarpur, Saran, Bhagalpur, Champaran and Shahabad while the district boards of Patna, Cuttack, Puri and Balasore receive contribution from Government equivalent to half of their total expenditure on health schemes. The district boards of Darbhanga and Purnea pay their health officers entirely from their own funds. But the health officer of Darbhanga district board went on long leave in the beginning of the year under report and a medical officer of health of Public Health Cadre has been detailed to work in his place.

Cholera broke out in a virulent epidemic in the district of Monghyr during the year under report and a medical officer of health of the Public Health Cadre was appointed health officer of the board before the epidemic could assume alarming proportions. With the cessation of the epidemic in the district, his services were not required by the board and he reverted to the Public Health Cadre.

Control of vaccination vested previously entirely with the Civil Surgeons who were also the Superintendents of vaccination and Government inspecting officers (Inspectors and Sub-Inspectors) were employed to check the work of the vaccinators. But with the introduction of the health organisations in some of the districts it has been possible to transfer the responsibility of control of vaccination to the district boards in recent years. Consequently the health officers of these districts have been appointed Superintendents of vaccination and Government vaccination inspecting staff have been withdrawn from such districts.

The Bengal Vaccination Act has been introduced in the following districts, viz., Patna, Gaya, Muzaffarpur, Saran, Champaran, Darbhanga, Bhagalpur, Purnea, Hazaribagh and Puri. The proposal to introduce the Act in the districts of Cuttack, Balasore and Shahabad is under consideration.

A health organisation scheme is a necessity for every district board. The first essential of the scheme is the appointment of a fully qualified health officer. Efficient supervision of the work of the subordinate health staff and effective control of recurrent and widespread epidemics can only then be made possible. The districts which have adopted this scheme have definitely made fewer demands upon Government for epidemic doctor. It is to be regretted that the suggestions for the employment of health officers in the districts of Monghyr, Manbhum, Ranchi and Hazaribagh have not been given effect to by the boards.

The other district boards which have no proper health organisations usually maintain a small health staff. The number of the health staff is increased temporarily during the time of epidemics. But as soon as an epidemic becomes serious they generally requisition for Government doctors. This means delay and the districts which have no health officers are usually slow to take immediate steps to combat epidemics.

2. Expenditure on sanitation by district boards.—

The following statement shows the receipts and expenditure of district boards under the principal headings of sanitation :—

Number of district boards.	Total receipts including opening balance.		Heads of expenditure.	1932-33.	1933-34.	Percentage of expenditures to the total receipts.	
	1932-33.	1933-34.				1932-33.	1933-1934.
1	2	3	4	5	6	7	8
	Rs.	Rs.		Rs.	Rs.		
19	1,55,31,476	1,64,49,030	Conservancy ...	2,74,754	2,84,618	1·8	1·7
			Drainage ...	4,059	8,578	0·03	0·05
			Water-supply ...	1,45,610	1,21,469	0·9	0·7
			Vaccination ...	32,351	25,207	0·2	0 1
			Epidemics ...	47,263	46,124	0·3	0·3
			Markets and fairs ...	9,360	19,108	0·06	0·1
			Other sanitary charges	...	...	...	...
			Total	5,13,903	5,05,104	3·3	3·1

CHAPTER VIII.

Malaria.

1. Fever Statistics.—

Six lakhs seventy thousands three hundred and eighty-nine deaths, or 62·3 per cent of the total deaths in the province, were reported to have occurred from fever during the year. A number of diseases in which the rise of temperature is a marked symptom continue to be grouped under the general heading "fever". It is, therefore, clear that malaria alone could not have been the only cause of this large number of deaths although the disease undoubtedly accounts directly or indirectly for the bulk of these deaths.

The death-rate for fever during 1934, was 17·8 as compared with 15·2 in 1933, or the decennial average of 16·0 per cent. The highest mortalities were recorded in the districts of Gaya (22·5), Angul (25·2) and Purnea (22·0). Amongst the towns Gaya (23·5), Raghunathpur (20·8) and Colgong (17·2) reported the highest death-rates. Sporadic cases of malaria are reported from every part of the province but large portions of Orissa and the districts of Singhbhum, Purnea and North Bhagalpur are known to be comparatively much more malarious. Treatment centres opened for the treatment of malaria cases in the municipality of Purnea continued to function during the year and the incidence of the disease was found to be less marked than that in the previous years.

The special report on the malaria survey carried out by a medical officer of the Public Health Cadre from the middle of August 1932 to February 1933 was printed during the year and submitted to Government, but no action could be taken to carry out the recommendations of the report owing to the changed topography of the area under survey by the earthquake.

A field experiment was carried out from the 29th October 1934 to 24th December 1934, at Khurda Road in the district of Puri by the Assistant Director of Public Health, Chota Nagpur and Orissa Circle, in conjunction

with the Assistant Malariologist, Bengal Nagpur Railway, the Assistant Director of Agriculture and the health officer, Puri district board to demonstrate the effect of Paris Green on the yield of paddy crops. As a result of the experiment it was found that 2 per cent of Paris Green when sprayed carefully after 4 p.m. in the afternoon during the fertilisation season of the paddy was not injurious to the crop in any way. It should not however be used on the flowering paddy plants in the morning. The experiment also showed that the paddy obtained from the plot treated with Paris Green was not inferior to that gathered from the control plots. Arrangement has been made to repeat the experiment next cold weather in conjunction with the Agricultural Department.

2. Sale of quinine.—

Sale of quinine treatment in the various Post Offices in the province has been in force for many years. These treatments are supplied to the Post Offices by the Civil Surgeons, who obtain their requirements from the Presidency Jail at Calcutta, where the products of the cinchona plantations in Bengal are made up into tablets. Twenty tablets packed in small glass tubes constitute one treatment. These treatments are now sold by the Post Offices at 5 annas and 3 pies per treatment, but the amount purchased annually cannot be regarded as satisfactory.

339·2 pounds of quinine sulphate were sold during the year under report as against 344·7 pounds in the previous year. The largest quantities were again taken by the districts of Purnea, Cuttack, Santal Parganas, Balasore, Bhagalpur and Muzaffarpur as in the last year.

3. Spleen Census.—

The Assistant Director of Public Health, North Bihar Circle, carried out a spleen census during his vaccination tours in the districts of Muzaffarpur, Darbhanga, Champaran, Purnea and North Monghyr. Out of 2,764 children examined 72 showed enlarged spleens. Out of 297, 1,416, and 488 examined in the districts of Purnea, Darbhanga and Champaran 50, 13 and 8, respectively, were found to be suffering from the enlargement of spleen.

CHAPTER IX.

Maternity and Child Welfare.

The Bihar and Orissa Maternity and Child Welfare Society continued to work through a Managing Committee with Lady Sifton as the President, the Inspector-General of Civil Hospitals as Honorary Secretary and the Accountant-General, Bihar and Orissa, as Honorary Treasurer. There are seven maternity and child welfare centres in the province which work under the Society, viz., three in Patna and one each in Cuttack, Monghyr, Balasore and Muzaffarpur. Besides these, there are six midwifery circles, viz., one each in Patna, Darbhanga, Puri, Sambalpur, Manbhum and Ranchi.

In Patna centres there are three trained visitors excluding a lady doctor with special training in midwifery and childwelfare from England designated as maternity supervisor at Patna entertained by Government, one health visitor is employed in each of the centres at Muzaffarpur and Monghyr. A maternity supervisor trained at Delhi is entertained by Government for the Cuttack centre who is also incharge of the child welfare centre of the Society. At the Patna centres there are seven midwives and one each at the other centres.

All the staff do house visiting in addition to regular attendance of the centres. Expectant mothers are given suitable advice and ante and post natal cases receive due care. More than 80,000 children attended the centres during the year under report. Efforts are also made to train the local *chamains* as Dais at different centres. 26 and 14 local Dais were trained during the year at Muzaffarpur and Monghyr centres, respectively. One touring midwife was also appointed during the year by the Champaran district board to train the mofassil Dais. 306 such Dais were trained during the year at the centres.

The subject is dealt with by the Inspector-General of Civil Hospitals.

CHAPTER X.

School hygiene and medical inspection of school children.

1. The Government maintain a special staff of officers for the medical examination of scholars of the high English schools since 1920. This system was subsequently extended to the middle English schools at places where there is also a High English school.

There is one School Medical Officer of Assistant Surgeon grade and one Assistant School Medical Officer of Sub-Assistant Surgeon class in each of the five divisions of the province. There is also a Lady School Medical Officer for the girls' schools of the province.

These officers visit all the high schools and most of the middle English schools in their respective divisions.

2. The medical inspection of scholars.—

Usually all the new scholars admitted to the school since the previous visit of School Medical Officer are thoroughly examined and a complete medical history of each new entrant is recorded on a prescribed form. All scholars found to be suffering from physical defects at a previous inspection are re-examined and a further note on the defects is recorded. At the end of the inspection, parents or guardians of boys found to be suffering from physical defects are informed of the particular defects the boy is suffering from, and they are recommended to consult their medical attendants or to take the child for treatment to the nearest dispensary. The Medical Officer is required to note on the counterfoil of the form, the treatment the boy has received. Attempts have also been made since 1933 to start school clinics attached to each of the divisional hospitals which are attended by the School Medical Officers during their stay at the headquarters station. The children requiring treatment at the headquarters towns are taken there and results of the treatment are noted in a special register maintained for the purpose.

All the School Medical Officers and Assistant School Medical Officers were detailed in the earthquake affected areas as an emergency measure for the most part of the year and consequently not much school medical inspection work was performed during the year under review.

The following is a statement showing the number of children examined by each of the School Medical Officers and the number recommended for treatment in 1934 :—

	Number of children examined.	Number recommended.
Patna Division	483	264
Chota Nagpur Division	66	25
Bhagalpur Division	1,456	551
Tirhut Division	144	64
Orissa Division	138	59

The Lady School Medical Officer examined 485 girls; out of whom 377 or 77·7 per cent were found defective or diseased.

From the above statement, it will appear that out of 2,287 boys examined 963 or 42 per cent suffered from some kind of minor ailments The majority of them as usual had skin troubles, enlarged glands and caries teeth. 2·5 per cent of the boys were found to be suffering from common eye diseases, e.g. trachoma, conjunctivities, blepheritis and cornial opacity, whilst 147 or 6·6 per cent of them suffered from visual defects due primarily to errors of refraction. 66 or 2·9 per cent of the boys had heart troubles and two were diagnosed as suffering from pulmonary tuberculosis. One case of leprosy was also detected in the Orissa Division.

On re-examination 367 boys and 94 girls were found to have been benefited by their medical examination and were also found to have become free from the defects and diseases during the year.

Lectures on hygiene.—The School Medical Officers also deliver annually ten lectures on hygiene, sanitation and the epidemic diseases common in India to the students of the Xth and XIth classes of the high English schools. These are mostly illustrated with magic lantern slides. Attendance at these lectures is compulsory but as hygiene is neither a compulsory nor an optional subject in the Matriculation examination, the lectures do not receive quite the attention they deserve. They, however, afford an opportunity for the propagation of knowledge and information on public health and are expected to produce beneficial results. During the summer vacation holidays, these officers devote themselves to special propaganda work by arranging lectures and demonstrations for the village gurus, maulavis and sub-inspectors of schools in different selected centres of the division.

The school and hostel buildings are regularly inspected by the School Medical Officers during their visits to each school. These inspections have led to improved sanitation and better provision of urinals, latrines and drinking water-supply for both day and night scholars.

The School Medical Officers during their inspection to each school also look into the arrangements made for physical exercises, games and suitable sitting accommodations in the class rooms and by their constant advice they try to impress upon the headmasters, parents and guardians that in their zeal to impart mental education the physical development of the child should not be neglected.

The School Medical Officer, Chota Nagpur Division, read a paper on the subject of " Minimum diet for a school child " at the divisional headquarters conference. The paper was published later on in a pamphlet form and following the suggestions noted in the pamphlet, the scheme of providing mid-day school lunch based on a levy of a fee of Re. 0-6-0 per school child per month was introduced in Purulia Zila school. The system is reported to be working very satisfactorily and efforts are being made by the School Medical Officer, Chota Nagpur Division, to extend the scheme to the other schools in his division.

CHAPTER XI.

Health Propaganda.

1. The improvement in the sanitary condition of the rural areas as a result of mass education must necessarily be slow and gradual. It is, however, confidently hoped that the interests aroused by the persistent presentation of the simple sanitary principles must influence the attitude of the people and lead in course of time to the formation of hygienic habits even in the country side. There are obvious limitations to the imposition of sanitary measures from outside and in order that an ever lasting interest is created in the minds of the people the masses themselves must be trained to apply the simple health principles chiefly through their own efforts.

The Officer-in-charge of the Public Health Bureau carried out propaganda work as usual during the year. Over and above the pamphlets and posters issued from time to time to the local bodies and popular articles on public health subjects, contributed to the local press, propaganda literatures were sent out for demonstration purposes and also for distribution among the visitors at the different exhibitions organised in connection with the various fairs and festivals in the province. A special health section was organised at the provincial exhibition held at Patna as well as at the exhibition held at Daltonganj.

Lectures illustrated with magic lantern slides and demonstration on public health subjects were also held at Puri mela and at the Bihar and Orissa Co-operative Federation Congress. Hygiene lectures and magic lantern demonstrations were also held by the Officer-in-charge, Public Health Bureau, Bihar and Orissa, at a fortnight's course organised by the Co-operative Department of middle school teachers at Ranchi.

Two pamphlets entitled " Tuberculosis Problem in Bihar and Orissa " and " Maternity and Infant Welfare in Bihar and Orissa " respectively were prepared and widely circulated in the province by the Public Health Bureau, Bihar and Orissa.

The Assistant Directors of Public Health also gave short lectures on Sanitation and Hygiene during their vaccination inspection tours in rural areas. 293 such discourses were held during the year. They are also provided with a magic lantern and complete sets of slides on all important topics of health.

2. Red Cross Society.—

The Red Cross Health Museum continued to retain its popularity during the year. 105,471 persons visited the Museum in 1934. The Officer-in-charge Public Health Bureau, attended the Museum on all the important occasions throughout the year and arrangement was also made to distribute leaflets on public health subjects in English and Vernaculars among the visitors.

The anti-tuberculosis sub-committee formed under the auspices of the Society continued to direct campaigns against the spread of tuberculosis in the province. With the aid of rupees five hundred, provided by the Provincial Branch of the Red Cross Society, a pamphlet entitled " Tuberculosis Problem in Bihar and Orissa in English and its translation in the local vernacular was prepared and issued by the Public Health Department. The pamphlets were widely circulated throughout the province. Coloured posters on the causation and prevention of tuberculosis obtained from the King George Thanksgiving (Anti-Tuberculosis) Fund Association were also issued to all the local bodies and other important agencies for propaganda purposes.

CHAPTER XII.

Public Health Administration.

1. The statement below shows the receipts and expenditure under the head 33—Public Health (Medical) for the years 1932-33 and 1933-34 :—

Head.	Receipts.		Heads of expenditure.	1932-33.		1933-34.	
	1932-33.	1933-34.		Budget provision.	Expenditure.	Budget provision.	Expenditure.
1	2	3	4	5	6	7	8
	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
Sale proceeds of sera and vaccine, etc.	28,297	19,806	Public Health establishment.	1,92,042	1,92,726	1,84,884	1,96,332
			Medical examination of scholars and teaching of hygiene in high schools.	38,574	36,851	44,283	40,222
			Bubonic plague ...	5,000	3,758	6,000	10,331
			Malaria	15,600	6,931	11,600	8,259
			Other epidemic diseases	1,11,800	63,508	1,06,374	85,815
			Publicity campaign ...	1,773	1,636	1,747	1,374
			Public Health Laboratory.	14,499	16,312	16,196	15,840
			Angul	2,870	1,976	2,962	2,870
			Total ...	3,82,158	3,23,698	3,74,046	3,61,043

All requisitions of the Director of Public Health were met by the Government and funds were made available in most cases in spite of the financial stringency.

2. The three Assistant Directors of Public Health, one for South Bihar Circle with headquarters at Patna, one for North Bihar Circle with the headquarters station at Muzaffarpur and the third for Chota Nagpur and Orissa Circle with his headquarters at Namkum, in the Ranchi district, continued to function as in previous year.

The three Assistant Directors of Public Health are employed to investigate into the epidemics, suggest measures of control and to see that the actions taken are adequate to combat the epidemic. They also supervise the permanent prophylactic measures such as vaccination, cholera and plague inoculations, etc. They inspect and report on all nuisances occurring in their areas and a systematic inspection of all district boards, municipalities, union boards and high schools, also the fairs and melas are included in their legitimate duties. They also do propaganda work by lectures and magic lantern demonstrations. Their supervision and expert advice have done much to assist the local bodies towards improvement of all sanitary matters that may prejudice the health of the people for example, drains, water-supply, disposal of refuse and excreta, etc.

There are five School Medical Officers of the Assistant Surgeon grade and five Assistant School Medical Officers of the Sub-Assistant Surgeon class for the five divisions of the province. There is also a Lady School Medical Officer for the girls' schools. In addition to her own duties she is also employed as a Medical Inspectress of factories in accordance with the recommendation of the Royal Commission on Labour to examine the health of the female employees of the factories in Patna.

Almost all these officers were employed in the earthquake-affected areas for the most part of the year as an emergency measure.

Epidemic doctors of the Sub-Assistant Surgeon class are employed temporarily to help the local bodies in combating serious epidemics in the province. One hundred vaccinators are appointed to be detailed in the districts, who in addition to vaccination work, are trained to carry out disinfection during epidemics.

There is a medical officer of the Assistant Surgeon grade who is in charge of the Public Health Bureau attached to the office of the Director of Public Health. He contributes popular articles to the press on public health subjects. Pamphlets and posters are distributed to the local bodies. He delivers lectures on hygiene to the police cadets at the Police Training College, Hazaribagh, and also at fairs and melas with the aid of magic lantern slides. He is also the Health Officer of the Patna Administration Committee and Personal Assistant to the Director of Public Health.

Six medical officers of the Assistant Surgeon grade of the Government Public Health cadre have been lent to the district boards of Muzaffarpur, Saran, Champaran, Gaya, Bhagalpur and Shahabad to work as health officers of the district boards.

The services of five medical officers of the same grade have also been lent to the municipalities of Patna, Gaya, Puri, Ranchi and Cuttack, to work as health officers.

A medical officer of the Assistant Surgeon grade also works as Chemical Analyst at the Public Health Laboratory where articles of food and water are analysed. A medical officer of the cadre has also been put in charge of the Bacteriophage Laboratory.

A medical officer of Assistant Surgeon grade also works as Superintendent of Vaccine Depot at Namkum. Vaccine lymph is manufactured and distributed throughout the province from this depot.

CHAPTER XIII.

Vaccination.

The Annual Vaccination Report is submitted as an annexure to this report.

CHAPTER XIV.

Other Public Health Services.

1. Jharia Mines Board of Health.—

The Jharia Mines Board of Health controls the sanitation of Jharia and the neighbouring mining areas which extend over the whole of the Dhanbad subdivision except the Dhanbad municipality. According to the census of 1931, the population of this area is 504,736 and the estimated population for 1934, excluding the Dhanbad municipality, is 521,243.

The total number of births during the year was 14,172 giving a birth-rate of 27·19 as against 31·21 of the previous year, while the total number of deaths was 9,521, recording a death-rate of 18·27 as against 13·34 in the preceding year. The infant mortality rate was reported to be 132 as compared with 94 in the previous year.

410, 70, 5,832 and 48 deaths occurred from cholera, small-pox, fevers and influenza, respectively, out of a population of 521,243 giving death-rates of 0·79, 0·13, 11·19 and 0·09 from these diseases as against 0·05, 0·14, 7·98 and 0·07 of the previous year.

Jharia Drainage Scheme.—The scheme for the construction of the major drains in Jharia was taken over from the district board in 1931 and a sum of Rs. 12,240 was allotted by the Jharia Mines Board of Health for its completion. The southern outfall was completed in 1933 whilst the eastern outfall was nearing completion during the year.

Water-supply.—In the course of the year under report, two more collieries were connected to the Jharia Water Board mains, bringing the total number of connected collieries to 175. Notices were served on the 14 remaining collieries by the Board requiring them to link up with Water Board mains. The Board also reserved temporarily 26 tanks for drinking water-supply during the cholera season as a precaution against the spread of this disease.

Sanitation.—Two rubbish lorries for carrying the refuse to the dumping ground were maintained throughout the year in Jharia town but in other coal-field areas buffalo carts are still in use. 120 public latrines were maintained by the Board during the year. Efforts are being made to put up as an experimental measure bore hole latrines for the use of Bustee area in Jharia town.

Maternity and Child Welfare.—The work in connection with the maternity and child welfare scheme was continued as usual. One fully equipped new maternity and child welfare centre in addition to two others, namely Sijua centre and the Anagarpadhri centre was started in Jharia town. Two health visitors and five midwives worked throughout the year. They attended labour cases, supervised ante-natal and post-natal conditions and also looked after the newly-born babies. 41 indigenous dais received practical training in conducting labour cases under the personal supervision of the Board's midwives. Thirty-five tin boxes containing complete outfits required for conducting normal labour cases were distributed by the Board among the dais undergoing the training.

Leprosy clinic.—Three outdoor leprosy clinics, one each at Jharia, Katras and Dhanbad continued to be held as usual twice weekly. 402 new patients attended the clinics and altogether 17,088 treatments were given at these clinics.

A satisfactory progress of the sanitary conditions in the mining areas was maintained throughout the year.

2. Public Health Laboratory.—

During the year 2,058 articles were examined chemically and bacteriologically as opposed to 1,612 articles in the previous year. Of these 33 samples were received from the private individuals or firms for analysis on payment of fees.

1,250 samples of water were examined bacteriologically of which 526 samples were also examined chemically. The following shows the sources and the number of samples :—

Water-works...	836
Jails	162
Other sources...	252

Food-stuffs.– The total number of samples examined was 705 as opposed to 404 of the previous year. The samples of food-stuffs were received from 19 districts of the province. No sample was received from the districts of Palamau and Angul.

Ghee.—Three-hundred and sixty-eight samples of ghee were examined out of which 228 or 61·96 per cent were found adulterated or below the standard as against 42·20 per cent of the previous year. Twenty-one samples were found to be of doubtful purity.

Mustard oil.—Two-hundred and forty-eight samples of mustard oil were examined out of which 95 or 38·30 per cent were found adulterated or below the standard as opposed to 41·78 per cent of the previous year. Fourteen samples were found to be of doubtful purity.

Sweets.—Twenty samples of sweets (mithai, puri and kachauri, etc.) were examined with a view to find out if they were made of pure ghee or oil. Out of 20 samples 15 or 75 per cent were found to have been made of ghee and oil which was below the standard or adulterated as opposed to 70·59 per cent of the previous year.

Milk.—Twenty-four samples of milk were examined, out of which 22 or 99·66 per cent were found to contain added water.

Atta.—Thirty-two samples of atta (wheat flour) were examined, all of which were found free from foreign starches. The percentage of gluten varied from 6·5 per cent to 13·3 per cent.

Miscellaneous.—Two samples of groundnut oil, one sample of butter, one of sugar and one of tallow were analysed to test their purity. Nine samples of electrolytic chlorogen, 3 samples of perchloron, one of chlorodak and 2 of bleaching powder were also examined for determination of available chlorine. Two samples of cholera vaccine were examined to see if they were made up to the strength as stated on the label. One sample of ice was also examined bacteriologically.

Analysis of excisable articles.—The laboratory for excise work was equipped and started during the year. An Assistant Excise Chemist was appointed on the 24th October 1934 and the actual analysis of excise articles was commenced from the 1st December 1934. One-hundred and eighty-five samples of different excise articles received from 13 districts were analysed.

CHAPTER XV.

General Remarks.

1. Earthquake in Bihar.—

Immediately after the earthquake, the Department sent out doctors with first-aid equipments to Monghyr and a party of seven medical officers of health and the Assistant Director of Public Health, South Bihar Circle, to North Bihar. These officers were soon able to organize the daily cleaning of the roads and the

drains, removal of night-soil, disinfection of drinking water-supply and preventive measures to check the spread of epidemics in Muzaffarpur, Sitamarhi, Darbhanga, Samastipur, Madhubani and Motihari.

In view of the apprehension of an outbreak of small-pox in the earthquake affected areas special regulations for the prevention and control of small-pox were enforced under section 2A of the Epidemic Diseases Act, 1897 from the 16th March to the 30th September 1934 in the affected areas, namely Muzaffarpur municipality, Sitamarhi municipality, Darbhanga municipality, Motihari municipality, Madhubani municipality; the whole of the Sadr subdivision of Muzaffarpur district, the whole of the Sitamarhi subdivision of Muzaffarpur district, the whole of the Madhubani subdivision of Darbhanga district, the whole of the Sadr subdivision of Darbhanga district and the whole of the Sadr subdivision of Champaran district.

The findings of the previous three years in favour of choleraphage were put to further tests and experiences gained from the extended application of phage during the widespread of cholera epidemic in the province this year appear to support the favourable results obtained in previous years.

Owing to the limited number of staff and pre-occupation of most of the medical officers in the earthquake and flood affected areas this year it could not be possible to compile full statistical details but arrangements were made to record the results of choleraphage in Muzaffarpur and Purnea districts where this has been exclusively used for the last four years successively. Choleraphage was also used in other towns and districts where cholera broke out in a virulent form during the year, but the detailed figures are available only from a few small areas.

The following statement shows some of the results of choleraphage treatment in districts and towns of the province during 1934 :—

—	Total cases under observation.	Total cases treated with phage.	Total deaths among phage treated cases.	Total cases not treated with phage.	Total deaths among not treated with phage.	Percentage of deaths among phage treated cases.	Percentage of deaths among non-phage treated cases.
1	2	3	4	5	6	7	8
Muzaffarpur district ...	1,209	866	118	343	203	12·8	58·9
Purnea district ...	144	94	26	50	34	27·6	68·0
Patna City ...	705	422	26	283	79	4·2	27·9
Patna Administration Committee.	106	63	1	43	5	1·6	11·6
Total ...	2,164	1,445	171	719	321	11·8	44·6

2. The Scientific Advisory Board Indian Research Fund Association decided to close down their Bacteriophage Enquiry at Patna in the beginning of this year and the local Government took upon themselves to continue the work entirely at their own cost. Dr. Igor N. Asheshov continued to work as Director of the Laboratory till the 5th October 1934 when Dr. S. K. Chatterji, a medical officer of health of the cadre was appointed as officer-in-charge of the Laboratory. 87,088 phials of choleraphage were prepared during the year and 71,689 phials of phage of 55 C. C. each were supplied on requisitions received through the Director of Public Health to various towns and districts in the province.

The work of basic research on choleraphage was continued throughout the year. The virulence test was performed as a routine measure to determine the virulence of different phage filtrates for using as a seed in the preparation of choleraphage. The reciprocal influence of one type of choleraphage to another type in a mixture was studied and it was found that the type A does not influence the growth of B and vice versa in a mixture. The study is being continued to determine the reciprocal action of all the ten types used in the preparation of choleraphage. As a result of continued experiment

carried out with a view to find out a chemically definite media to study problems in connection with choleraphage preparation, a vegetable substance called Ajinomote in Japan was found to provide a better media than ordinary broth. Chemically it is monosodium salt of glutanic acid. The choleraphage conpuscles were also found to preserve better in Ajinomote media than in broth media and this observation was taken advantage for the production of choleraphage in quantities for stocking during the non-cholera season.

The choleraphage at present issued is better than that of the last year and the activity test is now made with one-hundreth of a drop instead of one-tenth of a drop and complete lysis is produced in the same time, i.e., in less than two hours.

3. Outbreak of Epidemic Dropsy.—

An outbreak of epidemic dropsy occurred in the Manbhum district in September 1934. 18 thanas out of 21 thanas in the Sadr subdivision were affected. 290 villages showed the disease and 5,499 attacks and 839 deaths were reported from the affected areas. The better class people who own land and who eat rice which has been parboiled, husked and stored for at least eight months were found to be the chief victims. The labouring classes who are paid daily wages in paddy appeared to have remained practically free. Only in one instance a servant was found to be attacked, but on enquiry it was ascertained that the man was eating the same food cooked for his master whose family was infected with the disease.

The Assistant Director of Public Health, Chota Nagpur and Orissa Circle, visited the affected areas several times. A batch of doctors under Colonel R. N. Chopra, C.I.E., of the School of Tropical Medicine, Calcutta, also visited Purulia for investigation. A report on the investigations carried out by these doctors is awaited.

4. Personal Proceedings and Office.—

During the year under report the office of the Director of Public Health was held by Lt.-Col. J. A. S. Phillips, C.I.E., I.M.S., from the 1st January to the 8th April while Lt.-Col. S. L. Mitra, I.M.S. remained in charge during the rest of the year.

Of the Assistant Directors of Public Health Lt.-Col. S. L. Mitra, I.M.S., was in charge of South Bihar Circle from the 1st January to 8th April and Rai Sahib Dr. A. N. Chatterji for the rest of the year.

Rai Bahadur Dr. J. L. Das remained in charge of the North Bihar Circle throughout the year while Dr. B. P. Mozoomdar was in charge of the Chota Nagpur and Orissa Circle throughout the year except from 9th to 11th October when Rai Sahib Dr. A. N. Chatterji, Assistant Director of Public Health, South Bihar Circle, was in additional charge.

5. Touring.—

During the year, the Director of Public Health was on tour for 39 days and the Assistant Directors of Public Health of South Bihar, North Bihar and Chota Nagpur and Orissa Circles for 151, 181 and 221 days respectively.

6. Personnel.—

Dr. B. P. Mozoomdar, Rai Bahadur Dr. J. L. Das and Rai Sahib Dr. A. N. Chatterji, performed their duties as Assistant Directors of Public Health very satisfactorily.

Rai Sahib Dr. K. N. Bagchi carried on the work of Chemical Analyst as usual in a satisfactory manner, Dr. S. K. Chatterji worked at the Bacteriophage Laboratory with enthusiasm and zeal, and Dr. C. N. Banerji's work as Superintendent of vaccine depot at Namkum was very satisfactory. The work of Rai Sahib Dr. B. Nayak, Health Officer, Puri Municipality, was also very satisfactory. He was largely responsible for the successful arrangements made at Puri for the Car Festival.

S. L. MITRA, LT.-COL., I.M.S.,
Offg. Director of Public Health.

Annual Vaccination Report of the Province of Bihar and Orissa for the year 1934-35.

1. The statistics in the Vaccination Report are for the financial year, whilst the statistics in the Annual Public Health Report are for the calendar year. This arrangement facilitates the inclusion of the figures, for the complete vaccination season, from October to March, in the Vaccination Report.

2. *Staff.*—Lt.-Col. S. L. Mitra, I.M.S., held charge of the office of the Director of Public Health, Bihar and Orissa, throughout the whole period under report, except from 1st to 8th April 1934 when Lt.-Col. J. A. S. Phillips, I.M.S., remained in charge of the Department.

The whole province is divided into three circles, for the purpose of public health administration, namely, South Bihar, North Bihar, and Chota Nagpur and Orissa. Each circle is under the charge of an officer of the rank of the Assistant Director of Public Health. South Bihar Circle was under the charge of Lt.-Col. S. L. Mitra, from 1st to 8th April 1934, while Rai Sahib Dr. A. N. Chatterji remained in charge of the circle from 9th April to 31st March 1935. Rai Bahadur Dr. J. L. Das held charge of the North Bihar Circle throughout the year. Dr. B. P. Mozoomdar was in charge of the Chota Nagpur and Orissa Circle and the Vaccine Depot, Namkum, throughout the year excepting for a short period of three days from 9th to 11th October 1934, when Rai Sahib Dr. A. N. Chatterji, Assistant Director of Public Health, South Bihar Circle, was in additional charge.

The Provincial Vaccination inspecting staff consisted of 11 District Inspectors and 36 Sub-Inspectors of Vaccination. Out of the 36 Sub-Inspectors of Vaccination 3 were employed at the Vaccine Depot, Namkum. The total number of vaccinators employed during the year was 1,365, of whom 86 were employed in towns and 1,279 in rural areas.

Vaccination is performed by paid vaccinators in the municipal areas, but licensed vaccinators are generally employed to carry out vaccination work in the rural areas. Paid vaccinators are also employed by the local bodies, and Civil Surgeons, for short periods, to deal with outbreaks of smallpox.

3. *Operations performed.*—1,867,210 vaccination operations were performed, during the year, as against 1,916,726 done, last year.

This shows a decrease of 49,516 in the number of operations as compared with the figure for 1933-34. 1,838,093 operations were performed by the vaccination staff as against 1,877,306 done in the previous year. Of these 1,088,616 were primary and 749,477 revaccinations, as against 1,063,496 primary and 813,810 revaccinations, in the preceding year.

Although vaccination is generally recognised as the only preventive measure against smallpox, it has not yet become as popular as it should be, with the masses in the province. When smallpox breaks out in an epidemic form, the people show some degree of willingness to get their children vaccinated, but when the epidemic is absent, the incentive is much less and the number of vaccinations performed also fall. This is illustrated by the fact that during 1926-27 when the disease raged in an epidemic form, a greater number of vaccinations was recorded, but the number of operations fell during 1928-29 when fewer cases of smallpox occurred. Again during 1932-33 when an epidemic of smallpox prevailed in the province, the number of vaccinations increased by 368,090 operations over the vaccination figures of the preceding year. During the period under report, which happened to be a milder year for smallpox, the number of vaccination operations appear to have fallen by 49,516 operations.

There has been an increase of 25,120 in the number of primary operations and a decrease of 64,333 in the number of revaccinations done, during the year. Of the total operations performed 71.86 per cent were successful, as against 72.42 per cent, in the previous year.

The number of operations performed in municipalities decreased by 8,816 as compared with the last year's returns. The total number of operations performed was 118,888 and the number of successful operations was 60,706, of which 36,762 were primary and 23,944 revaccinations as against 33,860 and 22,126 respectively in the previous year. The ratios of success in municipalities were 97.59 per cent for primary operations and 50.37 per cent for revaccinations as compared with 91.44 per cent and 24.40 per cent respectively last year.

The number of operations performed in rural areas was 1,719,205 as compared with 1,789,022 last year and the ratios of success were 99.46 per cent for primary operations and 60.99 per cent for revaccinations.

4. *Vaccination in districts.*—The district of Patna reported an increase of 8,626 while those of Gaya and Shahabad reported decreases of 23,419 and 14,504 respectively in the number of operations performed. Vaccination in these districts is controlled by the health officers of district boards.

The districts of Muzaffarpur, Champaran and Saran recorded decreases 847, 32,047 and 84,084 respectively whilst Darbhanga recorded an increase of 31,409 operations. Vaccination in these districts is now controlled by the health officers of the district boards.

The districts of Bhagalpur, Monghyr and Purnea recorded increases of 2,544, 3,179 and 18,557 respectively while the district of the Santal Parganas recorded a decrease of 925 in the number of vaccinations performed. Vaccination in the rural areas of the districts of Bhagalpur and Purnea is now controlled by the health officers of the district boards.

The districts of Cuttack, Angul and Sambalpur recorded increases of 22,574, 8,029 and 15,062 respectively, whilst Puri and Balasore recorded decreases of 9,630 and 9,120 respectively. Vaccination is now controlled in the districts of Cuttack, Puri and Balasore by the health officers of the district boards.

The districts of Hazaribagh, Manbhum, Palamau and Singhbhum recorded increases of 14,049, 5,768, 2,524 and 3,725 respectively, whereas Ranchi district recorded a decrease of 10,976. The Civil Surgeons still continue to be the Superintendents of Vaccination in these districts because health organisation scheme has not yet been introduced in them.

5. *Vaccination in towns and compulsory areas.*—Statement V shows that during the year 16,519 children under one year of age, out of an available number of 36,981 or 44.67 per cent were successfully vaccinated.

The towns of Muzaffarpur, Sitamarhi, Lalganj, Roserah, Jamalpur, Jajpur, Dhanbad and Raghunathpur show the smallest proportion of vaccination work done.

6. *Protection of infants.*—During the year under report, the number of children under one year available for vaccination was 1,077,354, and the number of successful operations was 297,810 or 276 per thousand, as against 318,457 or 279 per thousand successful operations out of 1,142,095 available children during the previous year. The protection of infants in municipalities is separately shown in Statement V. It gives a ratio of 447 per thousand of the surviving infant population as compared with 438 per thousand in the previous year.

These figures remain unsatisfactory inasmuch as they show that more than half of the total number of infants under one year are left unprotected. This is attributed to common prejudice of the public against vaccination at an early age. The advantages of retaining the present age-limit for

compulsory primary vaccination are obvious and people should be educated in the benefit of early vaccination.

7. *Incidents and mortality of smallpox.*—The total number of deaths that occurred from smallpox in the districts of the province during the last ten years was 211,191.

During the first five years the number of deaths was 102,641 and during the second 108,550. In each of the last five years the mortality was as follows :—

8,137, 8,539, 24,297, 42,160 and 25,417.

The provincial ratios of the mortality from smallpox per thousand population during the last five years have been 0.24, 0.23, 0.64, 1.12 and 0.67.

There was a decrease in the incidence of smallpox in the province in 1927-28; in 1928-29 there was a further reduction and in 1929-30 there was a still further reduction in the number of cases. In 1930-31 there was a small increase over the figure of 1929-30 and in 1931-32, there was a further increase over the figure of 1930-31. In 1932-33 there was still a further increase over the figures of 1931-32 and in 1933-34 there was recorded a great increase over the figure of 1932-33. In the year under report there has been a decrease in the incidence of smallpox as compared to the figure of the previous year.

8. *Prevention of smallpox.*—The figures, showing the number of operations, performed during the year, still remain discouraging. This is not so much due to insufficiency or inefficiency of the existing arrangement for vaccination in the province, but is chiefly due to the inherent apathy of the public towards the simple and efficient method of protection. Smallpox is a preventable disease and vaccination can prevent it. In the light of this knowledge and in the face of the unsatisfactory vaccination state of the people there is a great necessity for a more vigorous and complete vaccination policy. Primary vaccination has been made compulsory for many years in all municipal towns, but all the provisions of the Act do not appear to be rigidly enforced with the result that a great proportion of the children does not get vaccination until they cross the first year of their lives, besides a large number of unvaccinated persons are to be found in every municipal town.

The incidence of smallpox can be definitely prevented provided repeated vaccinations are practised. Vaccination operations are easily done and generally cause no complications. Prejudices born of ancient traditions die hard and appear to be the chief obstacle in the way of pushing vaccination among the masses. Much of the efforts of the public health staff has, therefore, to be directed towards overcoming these obstacles.

Almost all the district boards, with health organisation schemes, have now assumed the responsibility of the control of vaccination in the rural areas and the vaccination schemes are mostly self-supporting.

The Bengal Vaccination Act was introduced in the districts of Saran and Puri in the beginning of the year under report and arrangements are being made to extend it in the districts of Shahabad, Cuttack and Balasore.

9. *Inspection of work.*—During the year under report the Assistant Directors of Public Health inspected 70,711 primary vaccinations as against 32,429 in the previous year. Vaccination was greatly hampered by the earthquake of 15th January 1934 which caused temporary dislocation of the activities in the affected areas. Certain areas in North Bihar were threatened with an outbreak of smallpox after the earthquake. The local Government in exercise of the powers conferred by the Epidemic Diseases Act of 1897 had then to prescribe and enforce certain regulations for the promotion of vaccination with a view to control smallpox in the municipalities and subdivisions of Muzaffarpur, Sitamarhi, Darbhanga, Motihari and Madhubani.

The Assistant Directors of Public Health performed vaccination inspection tours of 21 districts as compared with 18 districts in the previous year. Valuable reports were submitted on the work done in each of these districts.

The Superintendents of Vaccination of the province inspected 56,602 primary and 10,398 revaccination against 42,805 primary and 13,549 revaccinations last year.

10. The Vaccine Depot at Namkum supplied the province with vaccine throughout the year. A large supply of vaccine is held in reserve and an ample stock of the necessary stores and supplies for manufacture is maintained. 3,748,705 doses of vaccine were manufactured during the year as compared with 3,537,767 doses last year. 3,459,912 doses were issued, as against 3,582,589 in the previous year and 5,050,219 doses were left in stock at the end of the year. The number of cattle used during the year was 1,192 as compared with 1,043 in the previous year. The average yield of crude vaccine was 36,480 grammes per animal. The total expenditure of the Vaccine Depot amounted to Rs. 32,927-4-4 during the year, as compared with the expenditure of Rs. 26,833-4-10 of the previous year. The average cost of the vaccine per dose works out at 1.68 pies on the gross expenditure and the sale proceeds of vaccine lymph was Rs. 20,030-4-3 as against Rs. 19,334-15-9 of the previous year.

11. *Vaccine Depot and Cold Storage.*—There was no serious outbreak of any epidemic disease among the calves. Only a few had a mild attack of foot and mouth disease but the outbreak was promptly checked.

Only 10 calves died after admission into the Vaccine Depot, the death rate being 0.8 per cent during the year as against the same rate of the previous year. Besides cholera vaccine, influenza, plague and T. A. B. vaccine were also stocked at the Depot. During the year there was a very big increase in the supply of cholera vaccine and the supply of plague vaccine was bigger than that of the previous year. Choleraphage was also stored and issued during the year.

12. *Experimental work.*—The following is a summary of the experiments performed by the Superintendent during the year :—

(*i*) The regeneration of seed vaccine by passage through gunea pigs was tried. It proved unsatisfactory.

(*ii*) The regeneration was also tried by passage through rabbits alone and it was found that to get the maximum results the pulp obtained from the rabbit should be without delay made into a paste and used for vaccinating the calf. The paste, even if preserved for a day failed to induce well developed vesicles.

13. *Cost of the Department.*—The total cost of the Vaccination Department excluding that of the Vaccine Depot during the year, as noted in the Statement I, was Rs. 76,695 as against Rs. 1,43,729 in the previous year.

The cost per each successful operation was 11 pies as compared with one anna and eight pies last year.

14. *Personnel.*—In conclusion I desire to bring to the notice of Government the good work done by the Assistant Directors of Public Health in their respective circles.

Dr. B. P. Mozoomdar was in supervising and controlling charge of the Vaccine Depot in addition to his own duties whilst Dr. C. N. Banerji continued as Superintendent of the Depot. Both the officers showed great keenness and interest in all matters connected with the Depot.

S. L. MITRA, Lt.-Col., I.M.S.,

Offg. Director of Public Health,

Bihar and Orissa.

APPENDIX I.

APPEN

Annual Form No. 1.—Births registered in the

1	2	3			4		
No.	Districts.	Population according to the Census of 1931.			Number of Births registered.		
		Male.	Female.	Total.	Male.	Female.	Total.
	PATNA DIVISION.						
1	Patna	956,124	890,350	1,846,474	27,658	26,606	54,264
2	Gaya	1,193,643	1,194,819	2,388,462	54,943	52,599	107,542
3	Shahabad	999,099	994,390	1,993,489	42,952	39,634	82,586
	Total ...	3,148,866	3,079,559	6,228,425	125,553	118,839	244,392
	TIRHUT DIVISION.						
4	Saran	1,220,049	1,266,419	2,486,468	46,213	42,826	89,039
5	Champaran	1,080,956	1,064,731	2,145,687	35,497	33,855	69,352
6	Muzaffarpur	1,443,847	1,497,178	2,941,025	49,750	46,653	96,403
7	Darbhanga	1,570,959	1,595,135	3,166,094	47,915	44,848	92,763
	Total ...	5,315,811	5,423,463	10,739,274	179,375	168,182	347,557
	BHAGALPUR DIVISION.						
8	Monghyr	1,145,797	1,141,357	2,287,154	44,803	42,384	87,187
9	Bhagalpur	1,130,584	1,104,048	2,234,632	36,402	35,045	71,447
10	Purnea	1,129,681	1,056,862	2,186,543	32,979	30,043	63,022
11	Santal Parganas	1,025,921	1,025,551	2,051,472	29,434	27,473	56,907
	Total ...	4,431,983	4,327,818	8,759,801	143,618	134,945	278,563
	ORISSA DIVISION.						
12	Cuttack	1,028,134	1,148,573	2,176,707	39,219	36,622	75,841
13	Balasore	480,518	510,082	990,600	14,763	13,687	28,450
14	Angul	108,925	113,811	222,736	4,422	4,126	8,548
15	Puri	500,214	534,940	1,035,154	19,360	18,808	38,168
16	Sambalpur	431,460	449,485	880,945	16,614	15,527	32,141
	Total ...	2,549,251	2,756,891	5,306,142	94,378	88,770	183,148
	CHOTA NAGPUR DIVISION.						
17	Hazaribagh	751,956	765,401	1,517,357	27,571	26,216	53,787
18	Ranchi	777,063	790,086	1,567,149	25,586	24,446	50,032
19	Palamau	409,778	408,958	818,736	17,794	17,069	34,863
20	Manbhum	940,009	870,881	1,810,890	26,749	25,322	52,071
21	Singhbhum	469,421	460,381	929,802	12,205	11,712	23,917
	Total ...	3,348,227	3,295,707	6,643,934	109,905	104,765	214,670
	Total for the Province ...	18,794,138	18,883,438	37,677,576	652,829	615,501	1,268,330

DIX I.

districts of Bihar and Orissa Province during the year 1934.

5			6	7	8	9			10
Ratio of births per 1,000 of population.			Number of males born to every 100 females born.	Excess of births over deaths per 1,000 of population.	Excess of deaths over births per 1,000 of population.	Mean ratio of births per 1,000 during previous five years.			No.
Male.	Female.	Total.				Male.	Female.	Total.	
14·9	14·4	29·3	104	5·3	...	17·2	16·5	33·7	1
23·0	22·0	45·0	104	13·2	...	21·4	20·7	42·1	2
21·5	19·9	41·4	108	15·2	...	19·0	17·9	36·9	3
20·1	19·1	39·2	106	11·5	...	19·4	18·5	37·9	
18·6	17·2	35·8	108	13·9	...	18·1	17·4	35·5	4
16·5	15·8	32·3	104	9·1	...	16·6	15·9	32·5	5
16·9	15·8	32·7	107	8·7	...	17·4	16·7	34·1	6
15·1	14·2	29·3	107	8·2	...	16·0	15·4	31·4	7
16·7	15·7	32·4	107	9·9	...	17·0	16·3	33·3	
19·6	18·5	38·1	106	8·4	...	18·5	17·7	36·2	8
16·2	15·7	31·9	104	7·3	...	15·3	14·6	29·9	9
15·1	13·7	28·8	110	1·8	...	13·8	12·8	26·6	10
14·3	13·4	27·7	107	5·7	...	14·4	14·0	28·4	11
16·4	15·4	31·0	106	5·9	...	15·5	14·8	30·3	
18·0	16·8	34·8	107	...	1·2	18·6	17·6	36·2	12
14·9	13·8	28·7	108	...	8·3	17·1	16·1	33·2	13
19·8	18·5	38·4	107	8·2	...	22·5	21·6	44·1	14
18·7	18·2	36·9	103	6·1	...	19·0	17·9	36·9	15
18·8	17·6	36·4	107	0·7	...	19·2	18·2	37·5	16
17·8	16·7	34·5	106	...	0·4	18·7	17·6	36·3	
18·2	17·3	35·5	105	12·5	...	18·4	18·0	36·4	17
16·3	15·6	31·9	105	5·1	...	16·7	16·4	33·2	18
21·7	20·8	42·6	104	13·1	...	20·7	20·3	41·0	19
14·8	13·9	28·7	105	8·2	...	14·1	13·4	27·5	20
13·1	12·6	25·7	104	8·3	...	12·9	12·5	25·4	21
16·5	15·8	32·3	105	9·0	...	16·3	15·9	32·3	
17·3	16·3	33·7	106	7·7	...	17·1	16·5	33·6	

Annual Form No. IA.—Births registered according to class in each town and rural areas in

1	2			3		
	Christians.			Hindus.		
Registering circle.	Male.	Female.	Total.	Male.	Female.	Total.
PATNA.						
Patna town	...	...	...	1,258	1,079	2,337
Bihar town	...	...	...	325	261	586
Dinapur Nizamat town	...	...	...	168	168	336
Dinapur Cantonment	2	3	5	109	112	221
Barh town	...	...	...	82	75	157
Khagole town	...	...	...	52	47	99
Total of towns ...	2	3	5	1,994	1,742	3,736
Total of rural ...	...	1	1	23,307	22,622	45,929
Total of district ...	2	4	6	25,301	24,364	49,665
GAYA.						
Gaya town	4	...	4	1,167	1,023	2,190
Tikari town	...	...	...	106	107	213
Daudnagar town	...	...	...	159	207	366
Total of towns ...	4	...	4	1,432	1,337	2,769
Total of rural ...	...	1	1	48,456	46,481	94,937
Total of district ...	4	1	5	49,888	47,818	97,706
SHAHABAD.						
Arrah town	...	...	...	184	147	331
Buxar town	...	...	...	162	140	302
Dumraon town	1	4	5	134	129	263
Jagadispur town	...	...	...	98	83	181
Sasaram town	...	...	...	257	220	477
Bhabua town	...	...	...	67	53	120
Total of towns ...	1	4	5	902	772	1,674
Total of rural ...	...	...	...	39,356	36,426	75,782
Total of district ...	1	4	5	40,258	37,198	77,456

DIX—*contd.*

the districts of Bihar and Orissa province during the year 1934—*contd.*

4			5			6			7		
Muhammadans.			Buddhists.			Other Classes,			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
325	300	625	...	...	...	1	2	3	1,584	1,381	2,965
76	97	173	...	...	...	...	...	...	401	358	759
42	45	87	...	...	...	...	...	...	210	213	423
41	45	86	...	...	...	...	...	...	152	160	312
25	30	55	...	...	...	...	...	...	107	105	212
11	11	22	...	...	...	...	...	...	63	58	121
520	528	1,048	...	...	...	1	2	3	2,517	2,275	4,792
1,834	1,708	3,542	...	...	...	...	...	...	25,141	24,331	49,472
2,354	2,236	4,590	...	...	...	1	2	3	27,658	26,686	54,264
307	298	605	...	1	1	...	...	...	1,478	1,322	2,800
31	48	79	...	...	...	...	...	...	137	155	292
42	25	67	...	...	...	...	...	...	201	232	433
380	371	751	...	1	1	...	...	...	1,816	1,709	3,525
4,670	4,408	9,078	...	...	...	1	...	1	53,127	50,890	104,017
5,050	4,779	9,829	...	1	1	1	...	1	54,943	52,599	107,542
62	47	109	...	...	...	...	...	...	246	194	440
29	28	57	...	...	...	...	...	...	191	168	359
29	36	65	...	...	...	...	...	...	164	169	333
27	33	60	...	...	...	...	...	...	125	116	241
94	69	163	...	...	...	...	...	...	351	289	640
25	20	45	...	...	...	...	...	...	92	73	165
266	233	499	...	...	...	...	...	...	1,169	1,009	2,178
2,327	2,105	4,432	...	...	...	100	94	194	41,783	38,625	80,408
2,593	2,338	4,931	...	...	...	100	94	194	42,952	39,634	82,586

Annual Form No. IA.—Births registered according to class in each town and rural areas

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
Saran.						
Chapra town	...	...	...	597	448	1,045
Revelganj town	...	...	...	147	138	285
Siwan town	...	...	...	172	140	312
Total of towns ...	...	...	...	916	726	1,642
Total of rural ...	...	...	...	34,243	31,587	65,830
Total of district ...	...	...	...	35,159	32,313	67,472
Champaran.						
Bettiah town	35	32	67	131	90	221
Motihari town	...	1	1	125	100	225
Total of towns	35	33	68	256	190	446
Total of rural	30	11	41	30,064	28,766	58,830
Total of district	65	44	109	30,320	28,956	59,276
Muzaffarpur.						
Muzaffarpur town	...	...	...	319	287	606
Sitamarhi town	...	...	...	135	105	240
Hajipur town	...	...	...	286	279	565
Lalganj town	...	...	...	143	121	264
Total of towns	...	...	...	883	792	1,675
Total of rural	8	4	12	41,833	39,315	81,148
Total of district	8	4	12	42,716	40,107	82,823
Darbhanga.						
Darbhanga town	...	...	...	652	478	1,130
Roserah town	...	...	...	123	94	217
Samastipur town	...	...	...	94	74	168
Madhubani town	...	...	...	190	164	354
Total of towns	...	...	...	1,059	810	1,869
Total of rural	...	..	...	40,890	38,497	79,387
Total of district	...	...	...	41,949	39,307	81,256

DIX I—*contd.*

in the districts of Bihar and Orissa province during the year 1934—*contd.*

4			5			6			7		
Muhammadans.			Buddhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
207	186	393	...	...	...	...	...	...	804	634	1,438
55	48	103	...	...	...	...	...	...	202	186	388
104	83	187	...	...	...	...	...	...	276	223	499
366	317	683	...	...	...	...	...	...	1,282	1,043	2,325
10,688	10,196	20,884	...	...	...	...	...	...	44,931	41,783	86,714
11,054	10,513	21,567	...	...	...	...	...	...	46,213	42,826	89,039
46	69	115	...	...	...	...	...	...	212	191	403
61	64	125	...	...	...	...	...	...	186	165	351
107	133	240	...	...	...	...	...	...	398	356	754
5,005	4,722	9,727	...	...	...	...	...	...	35,099	33,499	68,598
5,112	4,855	9,967	...	...	...	...	...	...	35,497	33,855	69,352
129	97	226	...	...	...	...	...	...	448	384	832
27	25	52	...	...	...	...	...	...	162	130	292
51	43	94	...	...	...	...	...	...	337	322	659
27	26	53	...	...	...	...	...	...	170	147	317
234	191	425	...	...	...	...	...	...	1,117	983	2,100
5,924	5,470	11,394	...	...	...	868	881	1,749	48,633	45,670	94,303
6,158	5,661	11,819	...	...	...	868	881	1,749	49,750	46,653	96,403
314	218	532	...	...	...	...	...	...	966	696	1,662
3	6	9	...	...	...	...	...	...	126	100	226
24	20	44	...	...	...	...	...	...	118	94	212
107	67	174	...	...	...	...	...	...	297	231	528
448	311	759	...	...	...	...	...	...	1,507	1,121	2,628
5,518	5,230	10,748	...	...	...	...	...	...	46,408	43,727	90,135
5,966	5,541	11,507	...	...	...	...	...	...	47,915	44,848	92,763

Annual Form No. IA.—Births registered according to class in each town and rural areas

1	2			3		
Registering circle.	Christians.			Hindus.		
—	Male.	Female.	Total.	Male	Female.	Total.
MONGHYR.						
Monghyr town	...	...	...	408	316	724
Jamalpur town	2	2	4	391	372	763
Total of towns	2	2	4	799	688	1,487
Total of rural	7	6	13	40,070	37,953	78,023
Total of district	9	8	17	40,869	38,641	79,510
BHAGALPUR.						
Bhagalpur town	...	...	...	771	531	1,302
Colgong town	...	...	...	58	49	107
Total of towns	...	...	...	829	580	1,409
Total of rural	...	...	...	30,851	30,056	60,907
Total of district	...	...	...	31,680	30,636	62,316
PURNEA.						
Purnea town	...	...	...	76	60	136
Kishenganj town	...	...	...	31	19	50
Katihar town	...	...	...	64	51	115
Forbesganj town	...	...	...	53	35	88
Total of towns	...	...	...	224	165	389
Total of rural	1	...	1	19,211	17,784	36,995
Total of district	1	...	1	19,435	17,949	37,384
SANTAL PARGANAS.						
Sahibganj town	...	...	...	46	37	83
Deoghar town	...	...	...	36	44	80
Dumka town	1	...	1	46	31	77
Madhupur town	...	...	...	24	15	39
Total of towns	1	...	1	152	127	279
Total of rural	172	135	307	15,116	13,577	28,693
Total of district	173	135	308	15,268	13,704	28,972

DIX 1—*contd*

in the districts of Bihar and Orissa province during the year 1934—*contd.*

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
85	57	142	...	...	...	...	...	...	493	373	866
61	60	121	...	...	...	...	...	...	454	434	888
146	117	263	...	...	...	...	...	...	947	807	1,754
3,779	3,618	7,397	...	...	...	...	...	...	43,856	41,577	85,433
3,925	3,735	7,660	...	...	...	...	...	...	44,803	42,384	87,187
168	141	309	...	...	...	...	...	...	939	672	1,611
10	11	21	...	...	...	...	...	...	68	60	128
178	152	330	...	...	...	...	...	...	1,007	732	1,739
4,544	4,257	8,801	...	...	...	...	...	...	35,395	34,313	69,708
4,722	4,409	9,131	...	...	...	...	...	...	36,402	35,045	71,447
28	31	59	...	...	...	...	...	...	104	91	195
17	16	33	...	...	...	...	...	...	48	35	83
21	15	36	...	...	...	...	...	...	85	66	151
38	40	78	...	...	...	...	...	...	91	75	166
104	102	206	...	...	...	...	...	...	328	267	595
13,231	11,826	25,057	...	...	...	208	166	374	32,651	29,776	62,427
13,335	11,928	25,263	...	...	...	208	166	374	32,979	30,043	63,022
10	11	21	...	...	...	...	...	...	56	48	104
1	2	3	...	...	...	1	1	2	38	47	85
4	9	13	...	...	...	1	...	1	52	40	92
13	12	25	...	...	...	3	...	3	40	27	67
28	34	62	...	...	...	5	1	6	186	162	348
4,048	3,793	7,841	...	...	...	9,912	9,806	19,718	29,248	27,311	56,559
4,076	3,827	7,903	...	...	...	9,917	9,807	19,724	29,434	27,473	56,907

Annual Form No. 1A.—Births registered according to class in each town and rural areas

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
Cuttack.						
Cuttack town	13	6	19	348	282	630
Kendrapara town	...	...	...	137	136	273
Jajpur town	...	...	...	102	93	195
Total of towns	13	6	19	587	511	1,098
Total of rural	4	4	8	37,593	35,109	72,702
Total of district	17	10	27	38,180	35,620	73,800
Balasore.						
Balasore town	1	...	1	169	141	310
Total of rural	28	12	40	13,695	12,768	26,463
Total of district	29	12	41	13,864	12,909	26,773
Angul.						
Total of rural	...	1	1	3,118	2,919	6,037
Total of district	...	1	1	3,118	2,919	6,037
Puri.						
Puri town	...	...	...	352	286	638
Total of rural	15	14	29	18,539	18,074	36,613
Total of district	15	14	29	18,891	18,360	37,251
Sambalpur.						
Sambalpur town	...	...	...	213	162	375
Total of rural	16	11	27	16,315	15,312	31,627
Total of district	16	11	27	16,528	15,474	32,002
Hazaribagh.						
Hazaribagh town	...	...	...	185	177	362
Chatra town	...	...	...	71	67	138
Giridih town	...	...	...	89	69	158
Total of towns	...	...	...	345	313	658
Total of rural	3	5	8	23,260	22,137	45,397
Total of district	3	5	8	23,605	22,450	46,055

DIX I—*contd.*

in the districts of Bihar and Orissa province during the year 1934—*contd.*

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
53	41	94	...	...	...	...	...	...	414	329	743
45	33	78	...	...	...	...	...	...	182	169	351
12	14	26	...	...	...	...	...	...	114	107	221
110	88	198	...	...	...	...	...	...	710	605	1,315
912	904	1,816	...	...	...	...	...	...	38,509	36,017	74,526
1,022	992	2,014	...	...	...	...	...	...	39,219	36,622	75,841
27	24	51	...	...	...	...	...	...	197	165	362
678	580	1,258	...	...	...	165	162	327	14,566	13,522	28,088
705	604	1,309	...	...	...	165	162	327	14,763	13,687	28,450
5	3	8	...	...	...	1,299	1,203	2,502	4,422	4,126	8,548
5	3	8	...	...	...	1,299	1,203	2,502	4,422	4,126	8,548
4	1	5	...	...	...	...	...	...	356	287	643
417	395	812	...	...	...	33	38	71	19,004	18,521	37,525
421	396	817	...	...	...	33	38	71	19,360	18,808	38,168
...	...	...	...	...	...	...	...	...	213	162	375
12	7	19	...	...	...	58	35	93	16,401	15,365	31,766
12	7	19	...	...	...	58	35	93	16,614	15,527	32,141
41	45	86	...	...	...	...	...	...	226	222	448
23	16	39	...	...	...	...	...	...	94	83	177
37	26	63	...	...	...	...	...	...	126	95	221
101	87	188	...	...	...	...	...	...	446	400	846
2,687	2,576	5,263	...	...	...	1,175	1,098	2,273	27,125	25,816	52,941
2,788	2,663	5,451	...	...	...	1,175	1,098	2,273	27,571	26,216	53,787

Annual Form No. IA.—Births registered according to class in each town and rural areas

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
RANCHI.						
Ranchi town	40	41	81	164	137	301
Lohardaga town	14	11	25	69	68	137
Total of towns	54	52	106	233	205	438
Total of rural	3,051	2,900	5,951	8,448	8,101	16,549
Total of district	3,105	2,952	6,057	8,681	8,306	16,987
PALAMAU.						
Daltonganj town	...	...	...	82	84	166
Total of rural	193	170	363	16,063	15,422	31,485
Total of district	193	170	363	16,145	15,506	31,651
MANBHUM.						
Purulia town	6	11	17	135	119	254
Raghunathpur town	...	...	...	106	97	203
Jhalda town	...	...	...	121	100	221
Dhanbad town	1	1	2	89	76	165
Total of towns	7	12	19	451	392	843
Total of rural	36	32	68	21,671	20,564	42,235
Total of district	43	44	87	22,122	20,956	43,078
SINGHBHUM.						
Chaibassa town	5	7	12	119	86	205
Chakradharpur town	3	3	6	72	58	140
Jugsalai town	3	...	3	101	88	189
Jamshedpur town	2	4	6	161	126	287
Total of towns	13	14	27	453	368	821
Total of rural	110	72	182	4,862	4,613	9,475
Total of districts ... ... Province.	123	86	209	5,315	4,981	10,296
Total of towns	133	121	259	12,331	10,391	22,722
Total of rural	3,674	3,379	7,053	526,961	498,083	1,025,044
Total of districts	3,807	3,505	7,312	539,292	508,474	1,047,766

DIX I—*contd.*

in the districts of Bihar and Orissa province during the year 1934—concld.

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
72	62	134	...	...	...	34	37	71	310	277	587
19	15	34	...	...	...	11	11	22	113	105	218
91	77	168	...	...	...	45	48	93	423	382	805
1,130	953	2,083	...	...	...	12,534	12,110	24,644	25,163	24,064	49,227
1,221	1,030	2,251	..	...	...	12,579	12,158	24,737	25,586	24,446	50,032
14	23	37	...	...	...	...	...	...	96	107	203
1,441	1,365	2,806	...	...	...	1	5	6	17,698	16,962	34,660
1,455	1,388	2,843	...	...	...	1	5	6	17,794	17,069	34,863
33	31	64	...	...	...	97	88	185	271	249	520
9	4	13	...	...	...	5	6	11	120	107	227
6	6	12	...	...	...	...	...	...	127	106	233
20	12	32	...	...	...	...	7	7	110	96	206
68	53	121	...	...	...	102	101	203	628	558	1,186
1,313	1,236	2,549	...	...	...	3,101	2,932	6,033	26,121	24,764	50,885
1,381	1,289	2,670	...	...	...	3,203	3,033	6,236	26,749	25,322	52,071
16	18	34	...	...	...	43	48	91	183	159	342
12	7	19	...	...	...	2	2	4	89	80	169
14	15	29	...	...	...	3	3	6	121	106	227
30	15	45	...	...	...	15	9	24	208	154	362
72	55	127	...	...	...	63	62	125	601	499	1,100
89	73	162	...	...	...	6,543	6,455	12,998	11,604	11,213	22,817
161	128	289	...	...	...	6,606	6,517	13,123	12,205	11,712	23,917
3,264	2,897	6,161	...	1	1	216	214	430	15,944	13,629	29,573
70,252	65,425	135,677	...	...	...	35,998	34,985	70,983	636,885	601,872	1,238,757
73,516	68,322	141,838	...	1	1	36,214	35,199	71,413	652,829	615,501	1,268,330

Annual Form no. IB.—Still births registered according to class in each town and rural

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
PATNA.						
Patna town	..	1	1	26	39	65
Bihar town	..	..	..	4	5	9
Dinapur Nizamat town ..	..	..	..	7	2	9
Dinapur Cantonment ..	..	..	..	7	3	10
Barh town	..	..	..	2	1	3
Khagole town ..	..	..	..	3	..	3
Total of towns ..	..	1	1	49	50	99
Total of rural ..	..	..	..	1,347	1,064	2,411
Total of district ..	..	1	1	1,396	1,114	2,510
GAYA.						
Gaya town	..	1	1	96	62	158
Tikari town	..	..	..	9	3	12
Daudnagar town ..	..	..	..	14	7	21
Total of towns ..	..	1	1	119	72	191
Total of rural ..	..	..	..	1,414	1,193	2,607
Total of district ..	..	1	1	1,533	1,265	2,798
SHAHABAD.						
Arrah town	..	..	..	..	..	..
Buxar town	..	..	..	..	..	..
Dumraon town ..	..	..	..	..	..	..
Jagadispur town ..	..	..	..	..	1	1
Sasaram town ..	..	..	..	..	..	..
Bhabua town	..	..	..	..	..	..
Total of towns ..	..	..	..	..	1	1
Total of rural ..	..	..	..	30	40	70
Total of district ..	..	..	..	30	41	71

DIX I—*contd.*

areas in the districts of Bihar and Orissa province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Budhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total
11	4	15	..	..	..	..	..	..	37	44	81
1	..	1	..	..	..	..	..	..	5	5	10
..	..	..	..	..	..	..	..	..	7	2	9
..	..	..	..	..	..	..	..	..	7	3	10
..	..	..	..	..	..	..	..	..	2	1	3
1	1	2	..	..	..	..	..	..	4	1	5
13	5	18	..	..	..	..	..	..	62	56	118
79	57	136	..	..	..	..	..	..	1,426	1,121	2,547
92	62	154	..	..	..	..	..	..	1,488	1,177	2,665
24	17	41	..	..	..	..	..	..	120	80	200
1	..	1	..	..	..	..	..	..	10	3	13
1	2	3	..	..	..	..	..	..	15	9	24
26	19	45	..	..	..	..	..	..	145	92	237
144	100	244	..	..	..	..	..	..	1,558	1,293	2,851
170	119	289	..	..	..	..	..	..	1,703	1,385	3,088
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	1	1
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	1	1
15	4	19	..	..	..	..	..	..	45	44	89
15	4	19	..	..	..	..	..	..	45	45	90

Annual Form no. IB.—Still births registered according to class in each town and rural

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
SARAN.						
Chapra town	..	..	..	29	3	32
Revelganj town ..	..	..	..	1	..	1
Siwan town	..	..	..	12	1	13
Total of towns ..	..	..	..	42	4	46
Total of rural ..	..	..	..	2,246	651	2,897
Total of district ..	..	..	..	2,288	655	2,943
CHAMPARAN.						
Bettiah town	1	..	1	1	..	1
Motihari town ..	..	..	..	4	..	4
Total of towns ..	1	..	1	5	..	5
Total of rural ..	..	..	..	1,229	993	2,222
Total of district ..	1	..	1	1,234	993	2,227
MUZAFFARPUR.						
Muzaffarpur town ..	..	..	..	8	9	17
Sitamarhi town ..	..	..	..	1	1	2
Hajipur town	..	..	..	5	3	8
Lalganj town	..	..	..	..	2	2
Total of towns ..	..	..	..	14	15	29
Total of rural ..	..	..	..	2,494	1,838	4,332
Total of district ..	..	..	..	2,508	1,853	4,361
DARBHANGA.						
Darbhanga town ..	..	..	..	14	12	26
Roserah town	..	..	..	4	..	4
Samastipur town ..	..	..	..	1	1	2
Madhubani town ..	..	..	..	1	5	6
Total of towns ..	..	..	..	20	18	38
Total of rural ..	..	..	..	894	701	1,595
Total of district ..	..	..	..	914	719	1,633

DIX I—*contd.*

areas in the districts of Bihar and Orissa province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Budhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
3	1	4	..	..	..	..	..	..	32	4	36
..	..	..	..	..	..	..	..	..	1	..	1
..	..	..	..	..	..	..	..	..	12	1	13
3	1	4	..	..	..	..	..	..	45	5	50
775	347	1,122	..	..	..	..	..	..	3,021	998	4,019
778	348	1,126	..	..	..	..	..	..	3,066	1,003	4,069
..	..	..	..	..	..	..	..	..	2	..	2
3	..	3	..	..	..	..	..	..	7	..	7
3	..	3	..	..	..	..	..	..	9	..	9
323	277	600	..	..	..	..	..	..	1,552	1,270	2,822
326	277	603	..	..	..	..	..	..	1,561	1,270	2,831
10	2	12	..	..	..	..	..	..	18	11	29
..	1	1	..	..	..	..	..	..	1	2	3
1	..	1	..	..	..	..	..	..	6	3	9
..	1	1	..	..	..	..	..	..	..	3	3
11	4	15	..	..	..	..	..	..	25	19	44
292	249	541	..	..	..	37	26	63	2,823	2,113	4,936
303	253	556	..	..	..	37	26	63	2,848	2,132	4,980
..	3	3	..	..	..	..	..	..	14	15	29
..	..	..	..	..	..	..	..	..	4	..	4
..	..	..	..	..	..	..	..	..	1	1	2
..	..	..	..	..	..	..	..	..	1	5	6
..	3	3	..	..	..	..	..	..	20	21	41
47	41	88	..	..	..	..	..	..	941	742	1,683
47	44	91	..	..	..	..	..	..	961	763	1,724

Annual Form no. IB.—Still births registered according to class in each town and rural

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
MONGHYR.						
Monghyr town ..	..	..	..	5	3	8
Jamalpur town ..	..	..	..	21	8	29
Total of towns ..	..	..	..	26	11	37
Total of rural ..	..	..	..	1,585	1,361	2,946
Total of district ..	..	..	..	1,611	1,372	2,983
BHAGALPUR.						
Bhagalpur town ..	..	..	..	4	3	7
Colgong town	..	..	..	..	1	1
Total of towns ..	..	..	..	4	4	8
Total of rural ..	..	..	..	160	125	285
Total of district ..	..	..	..	164	129	293
PURNEA.						
Purnea town	..	..	..	1	1	2
Kishenganj town ..	..	..	..	1	1	2
Katihar town	..	..	..	2	1	3
Forbesganj town ..	..	..	..	3	2	5
Total of towns ..	..	..	..	7	5	12
Total of rural ..	..	..	..	449	289	738
Total of district ..	..	..	..	456	294	750
SANTAL PARGANAS.						
Sahibganj town ..	..	..	..	..	..	..
Deoghar town ..	..	..	..	..	..	..
Dumka town	..	..	..	..	..	..
Madhupur town ..	..	..	..	..	..	..
Total of towns ..	..	..	..	..	..	..
Total of rural ..	..	..	..	99	65	164
Total of district ..	..	..	..	99	65	164

DIX I—*contd.*

areas in the districts of Bihar and Orissa province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Budhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
2	2	4	..	..	..	..	..	..	7	5	12
5	8	13	..	..	..	..	..	..	26	16	42
7	10	17	..	..	..	..	..	..	33	21	54
510	431	941	..	..	..	..	..	..	2,095	1,792	3,887
517	441	958	..	..	..	..	..	..	2,128	1,813	3,941
..	..	..	..	..	..	..	..	..	4	3	7
2	..	2	..	..	..	..	..	..	2	1	3
2	..	2	..	..	..	..	..	..	6	4	10
39	49	88	..	..	..	..	..	..	199	174	373
41	49	90	..	..	..	..	..	..	205	178	383
..	..	..	..	..	..	..	..	..	1	1	2
1	2	3	..	..	..	..	..	..	2	3	5
1	1	2	..	..	..	..	..	..	3	2	5
2	1	3	..	..	..	..	..	..	5	3	8
4	4	8	..	..	..	..	..	..	11	9	20
435	330	765	..	..	..	8	5	13	892	624	1,516
439	334	773	..	..	..	8	5	13	903	633	1,536
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
14	6	20	..	..	..	50	37	87	163	108	271
14	6	20	..	..	..	50	37	87	163	108	271

Annual Form no. IB.—Still births registered according to class in each town and rural

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
CUTTACK.						
Cuttack town	2	1	3	8	5	13
Kendrapara town ..	..	..	..	6	2	8
Jajpur town	..	..	..	..	..	..
Total of towns ..	2	1	3	14	7	21
Total of rural ..	..	..	..	2,419	2,044	4,463
Total of district ..	2	1	3	2,433	2,051	4,484
BALASORE.						
Balasore town ..	..	..	..	2	6	8
Total of rural ..	..	1	1	1,394	1,123	2,517
Total of district ..	..	1	1	1,396	1,129	2,525
ANGUL.						
Total of rural	..	..	..	32	35	67
Total of district ..	..	..	..	32	35	67
PURI.						
Puri town	..	..	..	46	43	89
Total of rural ..	..	..	..	2,870	2,581	5,451
Total of district ..	..	..	..	2,916	2,624	5,540
SAMBALPUR.						
Sambalpur town ..	..	..	..	1	..	1
Total of rural ..	..	..	..	52	28	80
Total of district ..	..	..	..	53	28	81
HAZARIBAGH.						
Hazaribagh town ..	..	..	..	4	..	4
Chatra town	..	..	..	1	4	5
Giridih town	..	..	..	..	..	..
Total of towns ..	..	..	..	5	4	9
Total of rural ..	..	..	..	394	237	631
Total of district ..	..	..	..	399	241	640

DIX I—*contd.*

areas in the districts of Bihar and Orissa province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Budhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
1	3	4	..	..	..	..	..	..	11	9	20
..	..	..	..	..	..	..	..	..	6	2	8
..	..	..	..	..	..	..	..	..	..	..	..
1	3	4	..	..	..	..	..	..	17	11	28
67	53	120	..	..	..	..	..	..	2,486	2,097	4,583
68	56	124	..	..	..	..	..	..	2,503	2,108	4,611
..	..	..	..	..	..	..	..	..	2	6	8
84	65	149	..	..	..	3	..	3	1,481	1,189	2,670
84	65	149	..	..	..	3	..	3	1,483	1,195	2,678
..	..	..	..	..	..	16	14	30	48	49	97
..	..	..	..	..	..	16	14	30	48	49	97
..	..	..	..	..	..	..	..	..	46	43	89
64	53	117	..	..	..	..	..	..	2,934	2,634	5,568
64	53	117	..	..	..	..	..	..	2,980	2,677	5,657
..	1	1	..	..	..	..	..	..	1	1	2
1	..	1	..	..	..	..	..	..	53	28	81
1	1	2	..	..	..	..	..	..	54	29	83
..	..	..	..	..	..	..	..	..	4	..	4
..	..	..	..	..	..	..	..	..	1	4	5
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	5	4	9
48	25	73	..	..	..	1	1	2	443	263	706
48	25	73	..	..	..	1	1	2	448	267	715

Annual Form no. IB.—Still births registered according to class in each town and rural

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
RANCHI.						
Ranchi town	..	..	..	..	1	1
Lohardaga town ..	..	1	1	1	2	3
Total of towns ..	..	1	1	1	3	4
Total of rural ..	198	182	380	312	201	513
Total of district ..	198	183	381	313	204	517
PALAMAU.						
Daltonganj town ..	..	..	..	3	..	3
Total of rural ..	..	..	..	254	195	449
Total of district ..	..	..	..	257	195	452
MANBHUM.						
Pururlia town ..	..	..	..	2	..	2
Raghunathpur town ..	..	..	..	1	..	1
Jhalda town	..	..	..	..	..	..
Dhanbad town ..	..	..	..	..	1	1
Total of towns ..	..	..	..	3	1	4
Total of rural ..	4	2	6	345	230	575
Total of district ..	4	2	6	348	231	579
SINGHBHUM.						
Chaibassa town ..	..	..	..	..	..	..
Chakradharpur town ..	..	1	1	..	1	1
Jugsalai town	..	..	..	2	1	3
Jamshedpur town ..	..	..	..	..	1	1
Total of towns ..	..	1	1	2	3	5
Total of rural ..	..	..	..	48	46	94
Total of districts .. Province.	..	1	1	50	49	99
Total of towns ..	3	5	8	363	247	610
Total of rural ..	202	185	387	20,067	15,040	35,107
Total of districts ..	205	190	395	20,430	15,287	35,717

DIX I—*contd.*

areas in the districts of Bihar and Orissa province during the year 1934—concld.

4			5			6			7		
Muhammadans.			Budhists.			Other Classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
..	..	..	..	..	..	1	..	1	1	1	2
..	..	..	..	..	..	..	..	..	1	3	4
..	..	..	..	..	..	1	..	1	2	4	6
141	121	262	..	..	..	300	271	571	951	775	1,726
141	121	262	..	..	..	301	271	572	953	779	1,732
..	..	..	..	..	..	..	..	..	3	..	3
6	6	12	..	..	..	26	20	46	286	221	507
6	6	12	..	..	..	26	20	46	289	221	510
1	..	1	..	..	..	..	..	..	3	..	3
..	..	..	..	..	..	..	..	..	1	..	1
..	1	1	..	..	..	..	..	..	..	1	1
..	1	1	..	..	..	..	..	..	..	2	2
1	2	3	..	..	..	..	..	..	4	3	7
21	22	43	..	..	..	14	12	26	384	266	650
22	24	46	..	..	..	14	12	26	388	269	657
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	1	..	1	1	2	3
..	..	..	..	..	..	..	..	..	2	1	3
..	..	..	..	..	..	..	..	..	..	1	1
..	..	..	..	..	..	1	..	1	3	4	7
..	1	1	..	..	..	51	48	99	99	95	194
..	1	1	..	..	..	52	48	100	102	99	201
71	52	123	..	..	..	2	..	2	439	304	743
3,105	2,237	5,342	..	..	..	506	434	940	23,880	17,896	41,776
3,176	2,289	5,465	..	..	..	508	434	942	24,319	18,200	42,519

Annual Form No. 11.—Statement of Births and Deaths registered

1	2	3	4	5			6		7		
				Population (Census, 1931).			Births.		Number of deaths registered.		
No.	District.	Area in square miles.	Average population per square mile.	Male.	Female.	Total.	Total number.	Birth-rate per 1,000 of population.	Male.	Female.	Total.
	PATNA DIVISION.										
1	Patna	2,068	893	956,124	890,350	1,846,474	54,264	29.3	22,649	21,706	44,355
2	Gaya	4,714	506	1,193,643	1,194,819	2,388,462	107,542	45·0	39,157	36,829	75,986
3	Shahabad	4,372	456	999,099	994,390	1,993,489	82,586	41·4	26,368	25,923	52,291
	Total ...	11,154	558	3,148,866	3,079,559	6,228,425	244,392	39·2	88,174	84,458	172,632
	TIRHUT DIVISION.										
4	Saran	2,683	927	1,220,049	1,266,419	2,486,468	89,039	35·8	28,905	25,751	54,656
5	Champaran	3,531	607	1,080,956	1,064,731	2,145,687	69,352	32·3	26,696	23,053	49,749
6	Muzaffarpur	3,036	968	1,443,847	1,497,178	2,941,025	96,403	32·7	35,993	34,685	70,678
7	Darbhanga	3,348	945	1,570,959	1,595,135	3,166,094	92,763	29·3	35,072	31,909	66,981
	Total ...	12,598	852	5,315,811	5,423,463	10,739,274	347,557	32·4	126,666	115,398	242,064
	BHAGALPUR DIVISION.										
8	Monghyr	3,927	582	1,145,797	1,141,357	2,287,154	87,187	38·1	35,320	32,534	67,854
9	Bhagalpur	4,226	528	1,130,584	1,104,048	2,234,632	71,447	31·9	29,513	25,476	54,989
10	Purnea	4,972	439	1,129,681	1,056,862	2,186,543	63,022	28·8	31,408	27,723	59,131
11	Santal Parganas	5,458	375	1,025,921	1,025,551	2,051,472	56,907	27·7	24,016	21,135	45,151
	Total ...	18,583	471	4,431,983	4,327,818	8,759,801	278,563	31·8	120,257	106,868	227,125
	ORISSA DIVISION.										
12	Cuttack	3,654	595	1,028,134	1,148,573	2,176,707	75,841	34·8	38,822	39,645	78,467
13	Balasore	2,055	482	480,518	510,082	990,600	28,450	28·7	17,926	18,722	36,648
14	Angul	1,681	132	108,925	113,811	222,736	8,548	38·4	3,472	3,265	6,737
15	Puri	2,492	415	500,214	534,940	1,035,194	38,168	36·9	15,808	16,065	31,873
16	Sambalpur	3,824	230	431,460	449,485	880,945	32,141	36·4	16,225	15,277	31,502
	Total ...	13,706	387	2,549,251	2,756,891	5,306,142	183,148	34·5	92,253	92,974	185,227
	CHOTA NAGPUR DIVISION.										
17	Hazaribagh	7,021	216	751,956	765,401	1,517,357	53,787	35·5	18,344	16,639	34,983
18	Ranchi	7,102	220	777,063	790,086	1,567,149	50,032	31·9	22,417	19,711	42,128
19	Palamau	4,916	166	409,778	408,958	818,736	34,863	42·6	12,656	11,469	24,125
20	Manbhum	4,095	442	940,009	870,881	1,810,890	52,071	28·7	20,193	16,923	37,116
21	Singhbhum	3,879	239	469,421	460,381	929,802	23,017	25·7	8,799	7,400	16,189
	Total ...	27,013	235	3,348,227	3,295,707	6,643,934	214,670	32·3	82,409	72,142	154,551
	Total for the Province ...	83,054	453	18,794,138	18,883,438	37,677,576	1,268,330	33·7	509,759	471,840	981,599

DIX I—*contd.*

in the districts of Bihar and Orissa Province, during the year 1934.

8	9											10			11
Number of deaths of males to every 100 deaths of females.	Death-rate per 1,000 of population from—											Mean ratio of deaths per 1,000 during previous five years.			No.
									All causes.						
	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.	Injuries.	All other causes.	Male.	Female.	Total.	Male.	Female.	Total.	
104	2·1	0·3	...	13·2	0·6	0·6	0·4	6·5	23·6	24·4	24·0	22·6	23·3	22·9	1
106	2·3	0·7	...	22·5	0·1	0·07	0·3	5·7	32·8	30·8	31·8	28·3	26·3	27·3	2
102	1·7	0·6	0·007	18·9	0·07	0·02	0·2	4·9	26·3	26·0	26·2	24·9	24·0	24·4	3
104	2·0	0·6	0·002	18·5	0·3	0·2	0·3	5·8	28·0	27·4	27·7	25·5	24·7	25·1	
115	0·5	0·2	0·6	12·5	0·2	0·3	0·5	7·2	23·7	20·3	21·9	26·8	22·7	24·7	4
116	2·9	0·2	0·05	16·5	0·005	0·004	0·5	3·1	24·7	21·6	23·2	25·0	21·9	23·5	5
104	0·2	0·1	0·6	19·5	0·06	0·03	0·9	2·5	24·9	23·2	24·0	29·2	26·3	27·2	6
110	0·2	0·2	0·4	17·1	0·05	0·01	0·9	2·5	22·3	20·6	21·1	27·6	24·3	25·9	7
110	0·8	0 2	0·5	16·6	0·07	0·08	0·7	3·6	23·8	21·3	22·5	27·3	24·0	25·6	
108	3·5	0·9	0·2	19·9	0·08	0·03	0·4	4·6	30·8	28·5	29·7	25·9	24·4	25·1	8
116	2·3	0·4	...	19 4	0·1	0·03	0·2	2·2	26·1	23·0	24·6	23·9	21·5	22·8	9
113	0·6	2·9	...	22·0	0 03	0·01	0·2	1·3	27·8	26·2	27·0	22·4	21·1	21·8	10
113	1·5	0·4	...	18·1	0·1	0·1	0·2	1·4	23·4	20·6	22·0	18·9	16·6	17·7	11
112	2·0	1·2	0·05	19·9	0·08	0·05	0·3	2·4	27·1	24·7	25·9	22·9	21·0	22·0	
98	2·3	3·3	...	14·2	5·2	0·7	0·5	9·8	37·7	34·5	36·0	31·9	29·6	30·7	12
96	3·3	0·9	...	20·5	0·6	0·06	0·5	11·0	37·3	36·7	37·0	30·6	30·6	30·6	13
106	0·03	0·2	...	25·2	0 2	0·07	0·7	3·7	31·9	28·7	30·2	27·1	25·3	26·2	14
98	1·0	2·5	...	9·2	4·2	1·3	0·5	12·0	31·6	29·8	30·8	29·3	27·7	28·6	15
106	1·9	0·6	...	16·6	2·6	1·6	0·3	12·0	37·6	34·0	35·7	27·3	24·3	25·8	16
99	2·1	2·1	...	15·3	3·5	0·8	0·5	10·6	36·2	33·7	34·9	30·2	28·4	29·3	
110	0·9	0·9	...	17·9	0·04	0·02	0·3	2·9	24·4	21·7	23·0	21·4	19·1	20·2	17
114	0·7	0·2	...	21·5	0·8	0·04	0·2	3·3	28·8	24·9	26·8	21·9	19·1	20·5	18
110	3·9	0·6	...	20·4	0·06	0·01	0·3	4·1	30·9	28·0	29·5	28·7	26·2	27·4	19
119	0·8	0·2	...	16·9	0 1	0·1	0·2	2·1	21·5	19·4	20·5	16·6	14·9	15·8	20
119	0·01	0·7	...	14·5	0·02	0·03	0·3	1·7	18·7	15·9	17·4	14·9	12·9	13·9	21
114	1·1	0·5	...	18·3	0·2	0·06	0·2	2·8	24·6	21·9	23·3	20·2	18·0	19·1	
108	1·5	0·8	0·1	17·8	0·6	0·2	0·4	4·5	27·1	25·0	26·0	25·0	23·0	24·1	

Annual Form No. III.—Deaths registered in the districts of Bihar

1	2		3					
No.	District.		Population according to census, 1931.	January.	February.	March.	April.	May.
	PATNA DIVISION.							
1	Patna District ...	Urban ...	258,284	257	263	268	400	479
		Rural ...	1,588,190	1,778	1,643	2,000	3,282	3,753
		Total ...	1,846,474	2,035	1,906	2,268	3,682	4,232
2	Gaya District	Urban ...	105,185	257	190	286	253	343
		Rural ...	2,283,277	3,387	3,264	3,728	5,142	6,082
		Total ...	2,388,462	3,644	3,454	4,014	5,395	6,425
3	Shahabad District ...	Urban ...	117,630	57	49	42	76	85
		Rural ...	1,875,859	2,592	2,471	2,777	3,373	3,950
		Total ...	1,993,489	2,649	2,520	2,819	3,449	4,035
	TIRHUT DIVISION.							
4	Saran District... ...	Urban ...	70,475	81	82	117	113	145
		Rural ...	2,415,993	3,448	3,212	3,576	5,194	4,855
		Total ...	2,486,468	3,529	3,294	3,693	5,307	5,000
5	Champaran District ...	Urban ...	45,486	87	30	72	61	44
		Rural ...	2,100,201	3,426	2,530	2,508	3,458	4,250
		Total ...	2,145,687	3,513	2,560	2,580	3,519	4,294
6	Muzaffarpur District ...	Urban ...	82,241	593	113	120	147	125
		Rural ...	2,858,784	5,572	4,638	4,901	5,777	6,509
		Total ...	2,941,025	6,165	4,751	5,021	5,924	6,634
7	Darbhanga District ...	Urban ...	98,225	453	92	135	171	186
		Rural ...	3,067,869	4,993	5,146	5,180	5,925	5,519
		Total ...	3,166,094	5,446	5,238	5,315	6,096	5,705
	BHAGALPUR DIVISION.							
8	Monghyr District ...	Urban ...	83,209	136	302	93	120	100
		Rural ...	2,203,945	3,672	3,679	3,844	5,589	4,816
		Total ...	2,287,154	3,808	3,981	3,937	5,709	4,916
9	Bhagalpur District ...	Urban ...	89,080	84	72	92	108	111
		Rural ...	2,145,552	3,414	2,795	4,281	4,312	4,850
		Total ...	2,234,632	3,498	2,867	4,373	4,420	4,961
10	Purnea District ...	Urban ...	46,223	56	43	46	49	43
		Rural ...	2,140,320	5,249	4,269	4,640	6,120	6,996
		Total ...	2,186,543	5,305	4,312	4,686	6,169	7,039
11	Santal Parganas District...	Urban ...	48,536	22	9	14	25	9
		Rural ...	2,002,936	2,860	2,500	2,834	3,367	3,975
		Total ...	2,051,472	2,882	2,509	2,848	3,392	3,984
	ORISSA DIVISION.							
12	Cuttack District ...	Urban ...	88,556	108	122	126	111	101
		Rural ...	2,088,151	9,826	7,521	6,935	7,812	5,904
		Total ...	2,176,707	9,934	7,643	7,061	7,923	6,005
13	Balasore District ...	Urban ...	17,843	64	26	32	29	18
		Rural ...	972,757	5,170	3,355	2,789	3,226	2,451
		Total ...	990,600	5,234	3,381	2,821	3,255	2,469

DIX I—*contd.*

and Orissa Province, during each month of the year 1934—contd.

4							5	
June.	July.	August.	September.	October.	November.	December.	Total deaths registered during the year.	No.
330	541	550	443	327	301	309	4,468	1
3,536	4,601	5,414	4,903	3,819	3,044	2,114	39,887	
3,866	5,142	5,964	5,346	4,146	3,345	2,423	44,355	
292	396	568	453	331	288	229	3,886	2
6,267	7,531	9,636	9,882	7,150	5,492	4,539	72,100	
6,559	7,927	10,204	10,335	7,481	5,780	4,768	75,986	
88	105	131	101	78	50	55	917	3
4,833	5,746	6,443	5,781	5,642	4,200	3,566	51,374	
4,921	5,851	6,574	5,882	5,720	4,250	3,621	52,291	
135	152	209	190	144	115	72	1,555	4
4,065	4,773	5,421	5,745	4,796	4,054	3,962	53,101	
4,200	4,925	5,630	5,935	4,940	4,169	4,034	54,656	
26	44	68	52	48	41	38	611	5
3,649	3,680	5,494	6,641	5,160	4,410	3,932	49,138	
3,675	3,724	5,562	6,693	5,208	4,451	3,970	49,749	
121	111	147	147	128	131	108	1,991	6
4,745	4,224	6,110	5,920	6,826	6,738	6,727	68,687	
4,866	4,335	6,257	6,067	6,954	6,869	6,835	70,678	
141	144	160	136	147	194	165	2,124	7
4,898	4,535	5,522	5,326	5,719	6,259	5,835	64,857	
5,039	4,679	5,682	5,462	5,866	6,453	6,000	66,981	
70	200	219	162	123	118	72	1,715	8
5,185	7,549	7,848	7,072	6,671	5,608	4,606	66,139	
5,255	7,749	8,067	7,234	6,794	5,726	4,678	67,854	
105	147	117	135	103	126	103	1,303	9
4,201	4,082	5,080	5,762	5,057	4,769	5,083	53,686	
4,306	4,229	5,197	5,897	5,160	4,895	5,186	54,989	
33	17	29	30	32	33	26	437	10
5,103	3,990	3,983	3,944	4,157	5,331	4,912	58,694	
5,136	4,007	4,012	3,974	4,189	5,364	4,938	59,131	
12	37	29	19	21	19	10	226	11
4,242	4,447	5,545	4,624	3,739	3,633	3,159	44,925	
4,254	4,484	5,574	4,643	3,760	3,652	3,169	45,151	
75	116	138	100	102	85	88	1,272	12
4,424	6,829	5,963	5,278	5,897	4,479	6,327	77,195	
4,499	6,945	6,101	5,378	5,999	4,564	6,415	78,467	
19	17	51	29	30	43	29	387	13
1,783	3,128	3,080	3,084	2,899	2,277	3,019	36,261	
1,802	3,145	3,131	3,113	2,929	2,320	3,048	36,648	

Annual Form No. III.—Deaths registered in the districts of Bihar

1	2		3					
No.	District.		Population according to census, 1931.	January.	February.	March.	April.	May.
	ORISSA DIVISION—*concld.*							
14	Angul district ...	Rural ...	222,736	532	551	682	716	679
		Total ...	222,736	532	551	682	716	679
15	Puri district ...	Urban ...	37,568	148	162	138	83	80
		Rural ...	997,586	3,619	2,852	2,525	3,329	2,401
		Total ...	1,035,154	3,767	3,014	2,663	3,412	2,481
16	Sambalpur District ...	Urban ...	15,017	27	30	31	32	22
		Rural ...	865,928	2,497	2,242	2,347	3,021	2,529
		Total ...	880,945	2,524	2,272	2,378	3,053	2,551
	CHOTA NAGPUR DIVISION.							
17	Hazaribagh District ...	Urban ...	50,857	29	30	21	37	33
		Rural ...	1,466,500	1,900	2,076	2,073	2,916	3,305
		Total ...	1,517,357	1,929	2,106	2,094	2,953	3,338
18	Ranchi District ...	Urban ...	58,094	13	13	28	81	42
		Rural ...	1,509,055	2,348	2,201	2,367	2,857	3,329
		Total ...	1,567,149	2,361	2,214	2,395	2,938	3,371
19	Palamau District ...	Urban ...	12,040	2	3	2	5	8
		Rural ...	806,696	1,412	1,280	1,322	1,487	2,044
		Total ...	818,736	1,414	1,283	1,324	1,492	2,052
20	Manbhum District ...	Urban ...	56,393	53	52	73	76	67
		Rural ...	1,754,497	2,105	2,187	2,252	2,753	3,103
		Total ...	1,810,890	2,158	2,239	2,325	2,834	3,170
21	Singhbhum District ...	Urban ...	30,697	62	51	63	84	91
		Rural ...	899,105	1,110	990	1,316	1,519	1,298
		Total ...	929,802	1,172	1,041	1,379	1,603	1,389
	Total for the province ...	Urban ...	(*a*)1,411,639	2,589	1,734	1,799	2,061	2,132
		Rural ...	36,265,937	70,910	61,402	64,877	81,180	82,598
		Total ...	3,767,576	73,499	63,136	66,676	83,241	84,730
	Ratio per 1,000 of population.	Urban ...	...	1·7	1·2	1·2	1·4	1·4
		Rural ...	...	2·0	1·7	1·8	2·2	2·3
		Total ...	...	1·9	1·7	1·8	2·2	2·2

(*a*) Including cantonment population.

DIX I—*contd.*

and Orissa Province, during each month of the year 1934—concld.

3							4	5
June.	July.	August.	September.	October.	November.	December.	Total deaths registered during the year.	No.
486	536	618	615	476	429	417	6,737	14
486	536	618	615	476	429	417	6,737	
96	151	124	96	86	99	81	1,344	15
1,870	2,844	2,144	1,941	2,380	1,859	2,765	30,529	
1,966	2,995	2,268	2,037	2,466	1,958	2,846	31,873	
23	61	60	42	12	25	22	387	16
2,523	3,314	3,920	2,711	2,110	1,822	2,079	31,115	
2,546	3,375	3,980	2,753	2,122	1,847	2,101	31,502	
30	35	80	59	39	25	17	435	17
3,132	2,888	3,564	3,535	3,316	3,176	2,667	34,548	
3,162	2,923	3,644	3,594	3,355	3,201	2,684	34,983	
20	34	89	32	27	17	19	415	18
2,918	3,919	5,648	6,036	4,402	3,168	2,530	41,713	
2,938	3,953	5,737	6,068	4,429	3,185	2,539	42,128	
9	10	14	7	7	3	3	73	19
2,615	3,031	2,495	2,441	2,199	1,803	1,923	24,052	
2,624	3,041	2,509	2,448	2,206	1,806	1,926	24,125	
51	73	103	55	55	80	81	819	20
3,119	3,678	4,620	3,956	3,030	2,516	2,973	36,297	
3,170	3,751	4,723	4,011	3,085	2,596	3,054	37,116	
69	55	79	54	64	58	53	783	21
1,186	1,462	1,593	1,406	1,298	1,169	1,069	15,416	
1,255	1,517	1,672	1,460	1,362	1,227	1,122	16,199	
1,745	2,446	2,965	2,342	1,904	1,851	1,580	25,148	
74,780	86,787	100,141	96,603	86,743	76,236	74,194	956,451	
76,525	89,233	103,106	98,945	88,647	78,087	75,774	981,599	
1·2	1·6	2·0	1·6	1·3	1·2	1·0	16·8	
2·0	2·4	2·8	2·7	2·4	2·1	2·0	26·4	
2·0	2·4	2·7	2·6	2·3	2·0	2·0	26·0	

APPEN

Annual Form No. IV.—Deaths registered according to age in the

1	2								
			Deaths under						
			Not exceeding one month.						
			Male.			Female.			Total of columns 3 and 6.
No.	District.		Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	
			1	2	3	4	5	6	7
	PATNA DIVISION.								
		Urban ...	143	84	227	98	52	150	377
1	Patna district ...	Rural ...	1,189	825	2,014	967	632	1,599	3,613
		Total ...	1,332	909	2,241	1,065	684	1,749	3,990
		Urban ...	161	87	248	109	52	161	409
2	Gaya district	Rural ...	3,342	1,239	4,581	2,869	955	3,824	8,405
		Total ...	3,503	1,326	4,829	2,978	1,007	3,985	8,814
		Urban ...	55	18	73	40	13	53	126
3	Shahabad district ...	Rural ...	4,446	939	5,385	3,635	645	4,280	9,665
		Total ...	4,501	957	5,458	3,675	658	4,333	9,791
	TIRHUT DIVISION.								
		Urban ...	60	48	108	45	49	94	202
4	Saran district	Rural ...	1,988	1,085	3,073	1,524	706	2,230	5,303
		Total ...	2,048	1,133	3,181	1,569	755	2,324	5,505
		Urban ...	15	6	21	14	3	17	38
5	Champaran district ...	Rural ...	2,542	620	3,162	2,027	392	2,419	5,581
		Total ...	2,557	626	3,183	2,041	395	2,436	5,619
		Urban ...	56	43	99	61	20	81	180
6	Muzaffarpur district ..	Rural ...	2,176	820	2,996	1,725	612	2,337	5,333
		Total ...	2,232	863	3,095	1,786	632	2,418	5,513
		Urban ...	67	31	98	39	21	60	158
7	Darbhanga district ...	Rural ...	1,979	591	2,570	1,487	451	1,938	4,508
		Total ...	2,046	622	2,663	1,526	472	1,998	4,666
	BHAGALPUR DIVISION.								
		Urban ...	33	14	47	14	15	29	76
8	Monghyr district ...	Rural ...	1,470	1,004	2,474	1,306	661	1,967	4,441
		Total ...	1,503	1,018	2,521	1,320	676	1,996	4,517
		Urban ...	52	21	73	41	16	57	130
9	Bhagalpur district ...	Rural ...	1,293	514	1,807	1,059	427	1,486	3,293
		Total ...	1,345	535	1,880	1,100	443	1,543	3,423
		Urban ...	18	11	29	10	8	18	47
10	Purnea district... ...	Rural ...	1,370	631	2,001	1,036	496	1,532	3,533
		Total ...	1,388	642	2,030	1,046	504	1,550	3,580
		Urban ...	6	2	8	3	2	5	13
11	Santal Parganas district ...	Rural ...	891	312	1,203	655	257	912	2,115
		Total ...	897	314	1,211	658	259	917	2,128
	ORISSA DIVISION.								
		Urban ...	52	22	74	25	19	44	118
12	Cuttack district ...	Rural ...	2,628	1,873	4,496	2,152	1,511	3,663	8,159
		Total ...	2,675	1,895	4,570	2,177	1,530	3,707	8,277

DIXI—*contd.*

districts of Bihar and Orissa Province, during the year 1934—*contd.*

3

one year.

Over one month and not exceeding six months.			Over six months and not exceeding twelve months.			Total male columns 3, 8 and 11.	Total female columns 6, 9 and 12.	Total.	No.
Male.	Female.	Total.	Male.	Female.	Total.				
8	9	10	11	12	13	14	15	16	
149	123	272	124	98	222	500	371	871	1
2,266	1,828	4,094	1,289	1,173	2,462	5,569	4,600	10,169	
2,415	1,951	4,366	1,413	1,271	2,684	6,069	4,971	11,040	
231	153	384	128	113	241	607	427	1,034	2
3,185	2,555	5,740	2,185	1,973	4,158	9,951	8,352	18,303	
3,416	2,708	6,124	2,313	2,086	4,399	10,558	8,779	19,337	
42	39	81	32	25	57	147	117	264	3
1,974	1,680	3,654	1,585	1,279	2,864	8,944	7,239	16,183	
2,016	1,719	3,735	1,617	1,304	2,921	9,091	7,356	16,447	
59	45	104	49	57	106	216	196	412	4
1,860	1,388	3,284	1,318	892	2,210	6,251	4,510	10,761	
1,919	1,433	3,352	1,367	949	2,316	6,467	4,706	11,173	
6	6	12	2	2	4	29	25	54	5
1,112	920	2,032	703	517	1,220	9,977	3,856	8,833	
1,118	926	2,044	705	519	1,224	5,006	3,881	8,887	
55	45	100	41	41	82	195	167	362	6
1,702	1,519	3,221	1,039	904	1,943	5,737	4,760	10,497	
1,757	1,564	3,321	1,080	945	2,025	5,932	4,927	10,859	
60	43	103	47	47	94	205	150	355	7
1,377	1,185	2,562	808	667	1,475	4,755	3,790	8,545	
1,437	1,228	2,665	855	714	1,569	4,960	3,940	8,900	
48	46	94	62	47	109	157	122	279	8
2,063	1,800	3,863	1,387	1,287	2,674	5,924	5,054	10,978	
2,111	1,846	3,957	1,449	1,334	2,783	6,081	5,176	11,257	
37	28	65	36	32	68	146	117	263	9
1,216	1,126	2,342	987	794	1,781	4,019	3,406	7,416	
1,253	1,154	2,407	1,023	826	1,849	4,156	3,523	7,679	
25	15	40	11	...	11	65	33	98	10
1,993	1,706	3,699	796	706	1,502	4,790	3,944	8,734	
2,018	1,721	3,739	807	706	1,513	4,855	3,977	8,832	
12	14	26	6	3	9	26	22	48	11
1,023	814	1,837	580	479	1,059	2,806	2,205	5,011	
1,035	828	1,863	586	482	1,068	2,832	2,227	5,059	
40	31	71	20	29	49	134	104	238	12
3,589	3,202	6,791	1,636	1,585	3,221	9,721	8,450	18,171	
3,629	3,233	6,862	1,656	1,614	3,270	9,855	8,554	18,409	

Annual Form No. IV.—Deaths registered according to age in the

1	2								
No.	District.		Deaths under						
			Not exceeding one month.						
			Male.			Female.			Total of columns 3 and 6.
			Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	
			1	2	3	4	5	6	7
	ORISSA DIVISION—*concld.*								
13	Balasore district ...	Urban ...	15	3	18	17	8	25	43
		Rural ...	1,196	754	1,950	1,030	571	1,601	3,551
		Total ...	1,211	757	1,968	1,047	579	1,626	3,594
14	Angul district ...	Rural ...	224	207	431	196	197	393	824
		Total ...	224	207	431	196	197	393	824
15	Puri district ..	Urban ...	41	32	73	43	23	66	139
		Rural ...	1,104	996	2,100	1,018	864	1,882	3,982
		Total ...	1,145	1,028	2,173	1,061	887	1,948	4,121
16	Sambalpur district ...	Urban ...	18	9	27	10	10	20	47
		Rural ...	1,562	1,073	2,635	1,323	966	2,289	4,924
		Total ...	1,580	1,082	2,662	1,333	976	2,309	4,971
	CHOTA NAGPUR DIVISION.								
17	Hazaribagh district ...	Urban ...	12	1	13	7	5	12	25
		Rural ...	1,074	501	1,575	801	441	1,242	2,817
		Total ...	1,086	502	1,588	808	446	1,254	2,842
18	Ranchi district ...	Urban ...	7	3	10	10	1	11	21
		Rural ...	1,073	580	1,653	829	497	1,326	2,979
		Total ...	1,080	583	1,663	839	498	1,337	3,000
19	Palamau district ...	Urban ...	6	1	7	5	1	6	13
		Rural ...	1,113	492	1,605	956	373	1,329	2,934
		Total ...	1,119	493	1,612	961	374	1,335	2,947
20	Manbhum district ...	Urban ...	30	13	43	13	4	17	7
		Rural ...	1,021	558	1,579	769	412	1,181	2,760
		Total ...	1,051	571	1,622	782	416	1,198	2,820
21	Singhbhum district ...	Urban ...	12	8	20	19	6	25	45
		Rural ...	468	181	649	336	156	492	1,141
		Total ...	480	189	669	355	162	517	1,186
	Total for the Province ...	Urban ...	859	457	1,316	623	328	951	2,267
		Rural ...	34,144	15,795	49,939	27,700	12,222	39,922	89,861
		Total ...	35,003	16,252	51,255	28,323	12,550	40,873	92,128
	Total population for the province ...		...	...	..	...	...	...	...
	Ratio per 1,000 of population ...		...	...	...	...	...	...	...

BIX I—*contd.*

districts of Bihar and Orissa Province, during the year 1934—*contd.*

3									
one year.									
Over one month and not exceeding six months.			Over six months and not exceeding twelve months.			Total male columns 3, 8 and 11.	Total female columns 6, 9 and 12.	Total.	No.
Male.	Female.	Total.	Male.	Female.	Total.				
8	9	10	11	12	13	14	15	16	
8	9	17	4	4	8	30	38	68	13
1,572	1,539	3,111	492	471	963	4,014	3,611	7,625	
1,580	1,548	3,128	496	475	971	4,044	3,649	7,693	
380	341	721	192	156	348	1,003	890	1,893	14
380	341	721	192	156	348	1,003	890	1,893	
50	61	111	24	21	45	147	148	295	15
1,359	1,316	2,675	900	781	1,681	4,359	3,979	8,338	
1,409	1,377	2,786	924	802	1,726	4,506	4,127	8,633	
9	5	14	9	5	14	45	30	75	16
1,066	970	2,036	683	635	1,318	4,384	3,894	8,278	
1,075	975	2,050	692	640	1,332	4,429	3,924	8,353	
15	13	28	5	17	22	33	42	75	17
1,118	940	2,058	571	538	1,109	3,264	2,720	5,984	
1,133	953	2,086	576	555	1,131	3,297	2,762	6,059	
13	8	21	11	4	15	34	23	57	18
1,243	1,019	2,262	719	588	1,307	3,615	2,933	6,548	
1,256	1,256	2,283	730	592	1,322	3,649	2,956	6,605	
3	4	7	1	3	4	11	13	24	19
735	625	1,360	419	392	811	2,759	2,346	5,105	
738	629	1,367	420	395	815	2,770	2,359	5,129	
20	15	35	14	11	25	77	43	120	20
1,075	748	1,823	499	393	892	3,153	2,322	5,475	
1,095	763	1,358	513	404	917	3,230	2,365	5,595	
18	17	35	17	11	28	55	53	108	21
399	330	729	190	185	375	1,238	1,007	2,245	
417	347	764	207	196	403	1,293	1,060	2,353	
900	720	1,620	643	570	1,213	2,859	2,241	5,100	
32,307	27,551	59,858	18,978	16,395	53,373	101,224	83,868	185,092	
33,207	28,271	61,478	19,621	16,965	36,586	104,083	86,109	190,192	
...	...	...	...	...	...	459,557	467,993	927,550	
...	...	...	...	...	...	226·5	184·0	205·0	

Annual Form No. IV.—Deaths registered according to age in the

1	2		3		4		5		6	
No.	District.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.	
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
			17	18	19	20	21	22	23	24
	PATNA DIVISION.									
1	Patna district ...	Urban ...	385	333	173	132	65	127	89	144
		Rural ...	5,208	5,437	1,052	1,015	493	437	378	426
		Total ..	5,593	5,770	1,225	1,148	558	564	467	570
2	Gaya district ...	Urban ...	400	323	88	103	52	68	71	111
		Rural ...	9,626	9,446	2,417	2,074	1,086	874	838	817
		Total ...	10,026	9,769	2,505	2,177	1,138	942	909	928
3	Shahabad district ...	Urban ...	87	76	14	20	17	19	11	22
		Rural ...	5,190	5,117	1,203	989	700	530	637	675
		Total ...	5,277	5,193	1,217	1,009	717	549	648	697
	TIRHUT DIVISION.									
4	Saran district ..	Urban ...	132	108	34	44	23	17	13	35
		Rural ...	5,527	4,660	1,458	1,359	878	737	876	841
		Total ...	5,659	4,760	1,492	1,403	901	754	889	876
5	Champaran district ...	Urban ...	59	45	16	22	23	21	20	16
		Rural ...	4,807	4,293	1,708	1,276	909	580	922	740
		Total ...	4,866	4,338	1,724	1,298	932	601	942	756
6	Muzaffarpur district ...	Urban ...	151	185	79	84	54	52	48	48
		Rural ...	8,108	7,976	2,423	2,132	1,172	889	980	829
		Total ...	8,259	8,161	2,502	2,216	1,226	941	1,028	877
7	Darbhanga district ...	Urban ...	226	202	80	68	64	50	47	40
		Rural ...	7,425	7,041	2,757	2,329	1,350	965	1,065	970
		Total ...	7,651	7,243	2,837	2,397	1,414	1,015	1,112	1,010
	BHAGALPUR DIVISION.									
8	Monghyr district ...	Urban ...	233	184	32	94	56	30	47	40
		Rural ...	10,324	9,964	2,558	1,979	1,154	851	819	782
		Total ...	10,557	10,148	2,640	2,073	1,210	881	866	822
9	Bhagalpur district ...	Urban ...	129	127	45	39	23	19	26	31
		Rural ...	6,031	5,601	2,134	1,747	1,108	768	953	888
		Total ...	6,160	5,728	2,179	1,786	1,131	787	979	919
10	Purnea district ...	Urban ...	30	25	10	7	6	7	11	7
		Rural ...	5,846	5,305	2,392	1,894	1,433	1,058	1,371	1,342
		Total ...	5,876	5,330	2,402	1,901	1,439	1,065	1,382	1,349
11	Santal Parganas district ...	Urban ...	15	18	8	11	5	5	5	7
		Rural ..	5,567	4,992	1,928	1,584	1,092	833	1,187	1,234
		Total ...	5,582	5,010	1,936	1,595	1,097	838	1,192	1,241
	ORISSA DIVISION.									
12	Cuttack district ...	Urban ...	60	62	18	21	16	21	44	36
		Rural ...	7,853	7,910	2,293	2,075	1,167	985	1,121	1,420
		Total ...	7,913	7,972	2,311	2,096	1,183	1,006	1,165	1,456
13	Balasore district ..	Urban ...	17	12	7	5	6	4	11	13
		Rural ...	2,438	2,461	836	771	462	484	642	879
		Total ...	2,455	2,473	843	776	468	488	653	892

DIX I—*contd.*

districts of Bihar and Orissa Province, during the year 1934—contd.

7		8		9		10		11		12
20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards.		No.
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
25	26	27	28	29	30	31	32	33	34	
195	273	158	169	175	128	162	95	424	369	
1,007	1,297	951	1,017	1,155	965	1,466	1,206	3,044	3,164	1
1,202	1,570	1,109	1,186	1,330	1,093	1,628	1,301	3,468	3,533	
156	208	159	124	142	87	151	114	234	261	
2,221	2,749	2,229	2,189	2,271	1,795	2,310	2,133	4,148	4,574	2
2,377	2,957	2,388	2,313	2,413	1,882	2,461	2,247	4,382	4,835	
34	55	32	30	25	25	38	27	66	55	
1,776	2,455	1,683	1,837	1,406	1,339	1,413	1,382	2,945	3,914	3
1,810	2,510	1,715	1,867	1,431	1,364	1,451	1,409	3,011	3,969	
62	82	68	75	61	47	44	39	132	127	
2,133	2,211	2,234	2,114	1,993	1,589	2,083	2,011	4,687	4,949	4
2,195	2,293	2,302	2,189	2,054	1,636	2,127	2,050	4,819	5,076	
43	27	60	36	48	16	22	15	32	36	
2,708	2,591	2,695	2,316	2,538	1,955	2,123	2,020	2,957	3,167	5
2,751	2,618	2,755	2,352	2,586	1,971	2,145	2,035	2,989	3,203	
118	116	77	98	88	69	94	53	106	109	
2,893	2,600	3,231	2,853	2,923	2,419	3,091	3,252	4,425	5,994	6
3,011	2,716	3,308	2,951	3,011	2,488	3,185	3,305	4,531	6,103	
100	121	137	96	85	70	75	68	112	128	
3,284	2,991	3,320	2,820	2,928	2,352	2,949	2,934	4,108	4,724	7
3,384	3,112	3,457	2,916	3,013	2,422	3,024	3,002	4,220	4,852	
63	88	66	67	68	40	44	38	91	105	
2,233	2,394	2,228	2,044	2,307	1,857	2,624	2,326	4,242	4,475	8
2,296	2,482	2,297	2,111	2,375	1,897	2,668	2,364	4,333	4,580	
54	47	61	39	60	38	56	41	118	87	
2,669	2,475	2,748	2,245	2,752	1,374	2,378	2,106	4,012	3,781	9
2,723	2,522	2,809	2,284	2,812	1,912	2,434	2,147	4,130	3,868	
27	28	26	18	31	12	24	15	26	29	
3,235	3,769	3,532	3,178	3,116	2,175	2,365	1,972	3,072	2,905	10
3,262	3,797	3,558	3,196	3,147	2,187	2,389	1,987	3,098	2,934	
12	13	12	7	14	8	9	1	14	14	
2,487	2,540	2,496	2,000	2,099	1,578	1,847	1,720	2,387	2,343	11
2,499	2,553	2,508	2,007	2,113	1,586	1,856	1,721	2,401	2,357	
98	87	81	60	78	56	58	44	100	94	
3,020	4,310	2,852	3,334	2,793	2,449	3,156	3,146	4,159	4,981	12
3,118	4,397	2,933	3,394	2,871	2,505	3,214	3,190	4,259	5,075	
39	28	24	19	18	15	25	24	23	29	
1,769	2,403	2,047	2,175	1,954	1,834	1,777	1,938	1,787	1,979	13
1,808	2,431	2,071	2,194	1,972	1,849	1,802	1,962	1,810	2,008	

Annual Form No. IV.—Deaths registered according to age in the

1	2		3		4		5		6	
No.	District.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.	
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
			17	18	19	20	21	22	23	24
	ORISSA DIVISION—*concld.*									
14	Angul district	Rural ...	1,008	921	144	119	53	43	86	70
		Total ...	1,008	921	144	119	53	43	86	70
15	Puri district	Urban ...	77	67	29	27	15	14	24	19
		Rural ...	2,775	2,937	701	708	337	310	380	526
		Total ...	2,852	3,004	730	735	852	324	404	545
16	Sambalpur district ...	Urban ..	53	25	7	8	1	2	5	12
		Rural ...	2,893	2,737	963	819	529	488	503	581
		Total ...	2,946	2,762	970	827	530	490	508	593
	CHOTA NAGPUR DIVISION.									
17	Hazaribagh district ...	Urban ...	52	55	12	13	8	6	9	8
		Rural ...	5,183	4,717	1,305		730	565	630	647
		Total ...	5,235	4,772	1,317	1,066	733	571	639	655
18	Ranchi district ...	Urban ...	50	36	22	10	7	13	21	14
		Rural ...	5,644	4,881	1,498	1,202	915	697	876	854
		Total ...	5,694	4,917	1,520	1,212	922	710	897	868
19	Palamau district ...	Urban ...	8	5	...	2	2	...	3	1
		Rural ...	3,043	2,861	948	821	466	336	494	451
		Total ...	3,051	2,866	948	823	468	336	497	452
20	Manbhum district ...	Urban ...	79	62	32	15	13	12	22	22
		Rural ...	3,584	3,347	1,216	990	783	597	1,207	1,066
		Total ...	3,663	3,409	1,248	1,005	796	609	1,229	1.088
21	Singhbhum district ...	Urban ...	72	57	16	21	7	10	14	24
		Rural ...	1,702	1,546	629	540	371	258	435	328
		Total ...	1,774	1,603	645	561	378	268	449	352
	Total for the Province ...	Urban ...	2,315	2,007	772	747	463	497	541	650
		Rural ...	109,782	104,150	32,563	27,476	17,188	13,285	16,400	16,366
		Total ...	112,097	106,157	33,335	28,223	17,651	13,782	16,941	17,016
	Total population for the province ...		2,274,148	2,400,907	2,642,921	2,430,279	2,302,350	2,043,919	1,563,970	1,620,928
	Ratio per 1,000 of population ...		49·3	44·2	12·6	11·6	7·7	6·7	0·8	10·5

DIX —[illegible]

districts of Bihar and Orissa Province, during the year 1934—concld.

7		8		9		10		11		12
20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards.		No.
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
25	26	27	28	29	30	31	32	33	34	
168	212	227	194	221	189	251	280	311	347	14
168	212	227	194	221	189	251	280	311	347	
65	57	79	57	110	42	92	57	110	108	15
1,032	1,606	1,135	1,149	1,215	900	1,365	1,350	1,761	2,004	
1,097	1,663	1,214	1,206	1,325	942	1,457	1,407	1,871	2,112	
16	12	22	20	24	10	17	15	23	40	16
1,097	1,438	1,250	1,046	1,161	880	1,309	1,092	1,923	2,128	
1,113	1,450	1,272	1,066	1,185	890	1,326	1,107	1,946	2,168	
23	28	18	13	14	16	16	13	20	36	17
1,404	1,513	1,367	1,178	1,320	1,011	1,448	1,426	1,488	1,579	
1,427	1,541	1,385	1,191	1,334	1,027	1,464	1,439	1,508	1,615	
19	22	18	12	11	12	11	17	34	29	18
1,729	1,795	1,775	1,525	1,677	1,316	2,156	1,958	2,305	2,362	
1,748	1,817	1,793	1,537	1,688	1,328	2,167	1,975	2,339	2,391	
3	2	5	1	1	2	4	1	4	5	19
1,122	1,182	1,136	1,089	1,031	751	892	791	724	809	
1,125	1,184	1,141	1,090	1,032	753	896	792	728	814	
61	52	55	26	35	24	38	28	70	53	20
2,029	1,913	2,060	1,549	1,757	1,144	1,715	1,513	2,207	2,145	
2,090	1,965	2,115	1,575	1,792	1,168	1,753	1,541	2,277	2,198	
68	49	86	33	73	18	42	19	35	31	21
823	633	838	597	759	517	797	710	739	949	
891	682	924	630	832	535	839	729	774	980	
1,256	1,395	1,244	1,000	1,161	735	1,022	724	1,774	1,745	
40,839	45,077	42,034	38,449	39,376	30,889	39,515	37,266	57,431	63,273	
42,095	46,472	43,278	39,449	40,537	31,624	40,537	37,990	59,205	65,018	
3,218,213	3,422,319	2,714,059	2,737,421	1,865,043	1,811,586	1,069,752	1,099,899	684,125	848,187	
13·8	13·6	15·9	14·4	21·8	17·4	3·79	34·5	86·5	76·6	

Annual form No. IVA.—Deaths under one year registered according to class in each town and

1	2			3		
Registering circle.	Christians.			Hindus.		
—	Male.	Female.	Total.	Male.	Female.	Total.
Patna.						
Patna town	...	...	...	247	182	429
Bihar town	...	...	...	56	30	86
Dinapur Nizamat...	...	...	...	35	31	66
Dinapur Cantonment	...	...	...	40	27	67
Barh town	...	...	...	17	9	26
Khagole town	...	...	...	10	6	16
Total of towns ...	...	...	...	405	285	690
Total of rural ...	...	...	...	5,262	4,334	9,596
Total of district ...	...	...	...	5,667	4,619	10,286
Gaya.						
Gaya town	...	...	...	406	288	694
Tikari town	...	...	...	20	15	35
Daudnagar town		...	...	41	32	73
Total of towns ...	...	...	...	467	335	802
Total of rural ...	...	...	...	8,970	7,532	16,502
Total of district ...	...	...	...	9,437	7,867	17,304
Shahabad.						
Arrah town	...	...	...	19	19	38
Buxar town	...	...	...	34	19	53
Dumraon town	...	...	...	8	9	17
Jagadispur town	...	...	...	15	16	31
Sasaram town	...	...	...	39	33	72
Bhabua town	...	...	...	7	5	12
Total of towns ...	...	...	...	122	101	223
Total of rural ...	1	2	3	8,517	6,873	15,390
Total of district ...	1	2	3	8,639	6,974	15,613

DIX.

rural areas in the districts of Bihar and Orissa Province during the year 1934—contd.

4			5			6			7		
Muhammaans.			Budd ist.			Other classes.			T tal.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
70	57	127	...	...	...	1	...	1	318	239	557
9	11	20	...	...	...	...	...	...	65	41	106
3	4	7	...	...	...	...	...	...	38	35	73
10	10	20	...	...	...	...	...	...	50	37	87
1	3	4	...	...	...	...	...	...	18	12	30
1	1	2	...	...	...	...	...	...	11	7	18
94	86	180	...	...	...	1	...	1	500	371	871
307	266	573	...	...	...	...	...	...	5,569	4,600	10,169
401	352	753	...	...	...	1	...	1	6,069	4,971	11,040
131	85	216	...	...	...	...	...	...	537	373	910
3	5	8	...	...	...	...	...	...	23	20	43
6	2	8	...	...	...	...	...	...	47	34	81
140	92	232	...	...	...	...	...	...	607	427	1,034
980	820	1,800	...	...	...	1	...	1	9,951	8,352	18,303
1,120	912	2,032	...	...	...	1	...	1	10,558	8,779	19,337
9	6	15	...	...	...	...	...	...	28	25	53
4	2	6	...	...	...	...	...	...	38	21	59
1	3	4	...	...	...	...	...	...	9	12	21
1	1	2	...	...	...	...	...	...	16	17	33
8	2	10	...	...	...	...	1	1	47	36	83
2	1	3	...	...	...	...	...	...	9	6	15
25	15	40	...	...	...	...	1	1	147	117	264
423	361	784	...	2	2	3	1	4	8,944	7,239	16,183
448	376	824	...	2	2	3	2	5	9,091	7,356	16,147

Annual form No. IVA.—Deaths under one year registered according to class in each town and

1	2			3		
Registering circle.	Christians.			Hindus.		
——	Male.	Female.	Total.	Male.	Female.	Total.
SARAN.						
Chapra town	...	...	...	107	101	208
Revelganj town	...	...	...	34	29	63
Siwan town	...	...	...	23	14	37
Total of towns ...	...	...	...	164	144	308
Total of rural ...	...	...	...	4,567	3,205	7,772
Total of district ...	...	...	...	4,731	3,349	8,080
CHAMPARAN.						
Bettiah town	8	4	12	2	2	4
Motihari town	...	...	...	12	19	31
Total of towns ...	8	4	12	14	21	35
Total of rural ...	2	1	3	4,370	3,333	7,703
Total of district ...	10	5	15	4,384	3,354	7,738
MUZAFFARPUR.						
Muzaffarpur town	...	...	...	57	44	101
Sitamarhi town	...	...	...	23	28	51
Hajipur town	1	...	1	53	45	98
Lalganj town	...	...	...	29	18	47
Total of towns	1	...	1	162	135	297
Total of rural	4	1	5	4,787	3,983	8,770
Total of district	5	1	6	4,949	4,118	9,067
DARBHANGA.						
Darbhanga town	...	...	...	96	75	171
Roserah town	...	...	...	16	10	26
Samastipur town	2	1	3	13	13	26
Madhubani town	...	...	...	39	14	53
Total of towns	2	1	3	164	112	276
Total of rural	...	...	...	4,274	3,423	7,697
Total of district	2	1	3	4,438	3,535	7,973

DIX.

rural areas in the districts of Bihar and Orissa Province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Buddhist.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
36	39	75	...	...	...	...	...	...	143	140	283
3	7	10	...	...	...	...	...	...	37	36	73
13	6	19	...	...	...	...	...	...	36	20	56
52	52	104	...	...	...	...	...	...	216	196	412
1,684	1,305	2,989	...	...		...	...	...	6,251	4,510	10,761
1,736	1,357	3,093	...	...	...	...	...	...	6,467	4,706	11,173
3	...	3	...	...	...	...	...	...	13	6	19
4	...	4	...	...	...	...	...	...	16	19	35
7	...	7	...	...	...	...	...	...	29	25	54
604	522	1,126	...	...	...	1	...	1	4,977	3,856	8,833
611	522	1,133	...	...	...	1	...	1	5,006	3,881	8,887
16	14	30	...	...	...	...	...	...	73	58	131
3	8	11	...	...	...	...	...	...	26	36	62
10	8	18	...	...	...	...	...	...	64	53	117
3	2	5	...	...	...	...	...	...	32	20	52
32	32	64	...	...	...	...	...	...	195	167	362
858	694	1,552	...	...	...	88	82	170	5,737	4,760	10,497
890	726	1,616	...	...	...	88	82	170	5,932	4,927	10,859
28	30	58	...	...	...	...	...	...	124	105	229
1	...	1	...	...	...	...	...	...	16	11	27
1	6	7	...	...	...	...	...	...	17	19	36
9	1	10	...	...	...	...	...	...	48	15	63
39	37	76	...	...	...	...	...	...	205	150	355
480	367	847	...	...	...	1	...	1	4,755	3,790	8,545
519	404	923	...	...	...	1	...	1	4,960	3,940	8,900

Annual form No. IVA.—Deaths under one year according to class in each town and

1	2			3		
	Christians.			Hindus.		
Registering circle.	Male.	Female.	Total.	Male.	Female.	Total.
MONGHYR						
Monghyr town	...	...	...	67	51	118
Jamalpur town	...	1	1	63	61	124
Total of towns	...	1	1	130	112	242
Total of rural	...	...	...	5,309	4,522	9,831
Total of district	...	1	1	5,439	4,634	10,073
BHAGALPUR.						
Bhagalpur town	...	...	...	115	83	198
Colgong town	...	...	...	11	10	21
Total of towns	...	...	...	126	93	219
Total of rural	...	...	...	3,517	3,022	6,539
Total of district	...	...	..	3,643	3,115	6,758
PURNEA.						
Purnea town	...	...	...	15	11	26
Kishenganj town	...	...	...	13	6	19
Katihar town	...	...	...	7	6	13
Forbesganj town	...	...	...	8	5	13
Total of towns	...	...	...	43	28	71
Total of rural	1	...	1	2,809	2,262	5,071
Total of district	1	...	1	2,852	2,290	5,142
SANTAL PARGANAS.						
Sahibganj town	...	...	...	5	8	13
Deoghar town	...	...	...	7	5	12
Dumka town	...	...	...	2	1	3
Madhupur town	...	...	...	8	2	10
Total of towns	...	...	...	22	16	38
Total of rural	8	9	17	1,703	1,275	2,978
Total of district	8	9	17	1,725	1,291	3,016

DIX

rural areas in the districts of Bihar and Orissa Province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
14	6	20	...	...	...	...	...	...	81	57	138
13	3	16	...	...	...	...	...	...	76	65	141
27	9	36	...	..	...	...	...	...	157	122	279
615	532	1,147	...	...	...	...	...	...	5,924	5,054	10,978
642	541	1,183	...	...	...	...	...	...	6,081	5,176	11,257
20	22	42	...	...	...	...	...	...	135	105	240
...	2	2	...	...	...	...	...	...	11	12	23
20	24	44	...	...	...	...	...	...	146	117	263
493	384	877	...	...	...	...	...	...	4,010	3,406	7,416
513	408	921	...	...	...	...	...	...	4,156	3,523	7,679
6	...	6	...	...	...	...	...	...	21	11	32
6	2	8	...	...	...	...	...	...	19	8	27
1	2	3	...	...	...	...	...	...	8	8	16
9	1	10	...	...	...	...	...	...	17	6	23
22	5	27	...	...	...	...	...	...	65	33	98
1,960	1,663	3,623	...	...	...	20	19	39	4,790	3,944	8,734
1,982	1,668	3,650	...	...	...	20	19	39	4,855	3,977	8,832
2	2	4	...	...	...	...	...	...	7	10	17
...	...	...	...	...	...	...	...	...	7	5	12
...	1	1	...	...	...	...	...	...	2	2	4
2	3	5	...	...	...	...	...	...	10	5	15
4	6	10	...	...	...	...	...	...	26	22	48
380	347	727	...	...	...	715	574	1,289	2,803	2,205	5,011
384	353	737	...	...	...	715	574	1,289	2,832	2,227	5,059

Annual form No. IVA.—Deaths under one year according to class in each town and

1	2			3		
Registering circle.	Christians.			Hindus.		
	Male.	Female.	Total.	Male.	Female.	Total.
CUTTACK.						
Cuttack town	1	...	1	51	26	77
Kendrapara town	...	...	...	44	42	86
Jajpur town	...	...	...	20	16	36
Total of towns	1	...	1	115	84	199
Total of rural	...	1	1	9,507	8,252	17,759
Total of district	1	1	2	9,622	8,336	17,958
BALASORE.						
Balasore town	...	...	...	25	34	59
Total of rural	1	...	1	3,818	3,488	7,306
Total of district	1	...	1	3,843	3,522	7,365
ANGUL.						
Total of rural ...	...	...	...	722	623	1,345
Total of district ...	...	...	...	722	623	1,345
PURI.						
Puri town	...	...	...	146	146	292
Total of rural	3	1	4	4,263	3,887	8,150
Total of district	3	1	4	4,409	4,033	8,442
SAMBALPUR.						
Sambalpur town...	...	...	...	45	28	73
Total of rural	3	1	4	4,374	3,891	8,265
Total of district	3	1	4	4,419	3,919	8,338
HAZARIBAGH.						
Hazaribagh town ..	...	...	...	11	20	31
Chatra ,, ...	...	...	...	9	9	18
Giridih ,, ...	...	...	...	5	5	10
Total of towns	...	...	..	25	34	59
Total of rural	...	...	...	2,809	2,370	5,179
Total of district	...	...	...	2,834	2,404	5,238

DIX.

rural areas in the districts of Bihar and Orissa Province during the year 1934—contd.

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
9	12	21	...	...	...	1	...	1	62	38	100
5	7	12	...	...	...	...	...	...	49	49	98
3	1	4	...	...	...	...	...	...	23	17	40
17	20	37	...	...	...	1	...	1	134	104	238
214	197	411	...	...	...	...	...	...	9,721	8,450	18,171
231	217	448	...	...	...	1	...	1	9,855	8,554	18,409
5	4	9	...	...	...	...	...	...	30	38	68
186	120	306	...	...	...	9	3	12	4,014	3,611	7,625
191	124	315	...	...	...	9	3	12	4,044	3,649	7,693
...	1	1	...	...	...	281	266	547	1,003	890	1,893
...	1	1	...	...	...	281	266	547	1,003	890	1,893
1	2	3	...	...	...	...	...	...	147	148	295
90	87	177	...	...	...	3	4	7	4,359	3,979	8,338
91	89	180	...	...	...	3	4	7	4,506	4,127	8,633
...	2	2	...	...	...	...	...	...	45	30	75
2	...	2	...	...	...	5	2	7	4,384	3,894	8,278
2	2	4	...	...	...	5	2	7	4,429	3,924	8,353
6	4	10	...	...	...	...	...	...	17	24	41
1	...	1	...	...	...	...	...	...	10	9	19
1	4	5	...	...	...	...	...	...	6	9	15
8	8	16	...	...	...	...	...	...	33	42	75
361	269	630	...	...	...	94	81	175	3,264	2,720	5,984
369	277	646	...	...	...	94	81	175	3,297	2,762	6,059

Annual form No. IVA.—Deaths under one year registered according to class in each town and

1	2			3		
Registering circle.	Christians.			Hindus.		
—	Male.	Female.	Total.	Male.	Female.	Total.
RANCHI.						
Ranchi town	3	3	6	11	5	16
Lohardaga „	...	...	...	15	13	28
Total of towns	3	3	6	26	18	44
Total of rural	475	390	865	1,232	965	2,197
Total of district	478	393	871	1,258	983	2,241
PALAMAU.						
Daltonganj town...	...	...	...	10	11	21
Total of rural	34	21	55	2,557	2,187	4,744
Total of district	34	21	55	2,567	2,198	4,765
MANBHUM.						
Purulia town	...	...	...	16	8	24
Raghunathpur town	...	...	...	14	9	23
Jhalda town	...	...	...	13	9	22
Dhanbad town	...	...	...	16	11	27
Total of towns	...	...	...	59	37	96
Total of rural	1	2	3	2,655	1,925	4,580
Total of district	1	2	3	2,714	1,962	4,676
SINGHBHUM.						
Chaibassa town	...	2	2	14	11	25
Chakradharpur town	...	...	...	13	14	27
Jugsalai town	...	...	...	4	4	8
Jamshedpur town	1	...	1	14	12	26
Total of towns	1	2	3	45	41	86
Total of rural	9	10	19	661	544	1,205
Total of district Province ...	10	12	22	706	585	1,291
Total of towns	16	11	27	2,315	1,815	4,130
Total of rural	542	439	981	86,683	71,896	158,579
Total of districts	558	450	1,008	88,998	73,711	162,709

DIX.

rural areas in the districts of Bihar and Orissa Province during the year 1934—concld.

4			5			6			7		
Muhammadans.			Buddhists.			Other classes.			Total.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
2	1	3	...	...	...	1	...	1	17	9	26
1	...	1	...	...	...	1	1	2	17	14	31
3	1	4	...	...	...	2	1	3	34	23	57
112	99	211	...	...	...	1,796	1,479	3,275	3,615	2,933	6,548
115	100	215	...	...	...	1,798	1,480	3,278	3,649	2,956	6,605
1	2	3	...	...	...	...	...	...	11	13	24
167	137	304	...	...	...	1	1	2	2,759	2,346	5,105
168	139	307	...	...	...	1	1	2	2,770	2,359	5,129
4	...	4	...	...	...	13	4	17	33	12	45
...	...	...	...	...	...	...	...	...	14	9	23
...	...	...	...	...	...	...	...	...	13	9	22
1	2	3	...	...	...	...	...	...	17	13	30
5	2	7	...	...	...	13	4	17	77	43	120
204	131	335	...	...	...	293	264	557	3,153	2,322	5,475
209	133	342	...	...	...	306	268	574	3,230	2,365	5,595
...	...	...	...	...	...	1	4	5	15	17	32
1	...	1	...	...	...	1	...	1	15	14	29
2	...	2	...	...	...	...	...	...	6	4	10
2	3	5	...	...	...	2	3	5	19	18	37
5	3	8	...	...	...	4	7	11	55	53	108
14	7	21	...	...	...	554	446	1,000	1,238	1,007	2,245
19	10	29	...	...	...	558	453	1,011	1,293	1,060	2,353
507	402	909	...	...	...	21	13	34	2,859	2,241	5,100
10,134	8,309	18,443	...	2	2	3,865	3,222	7,087	101,224	83,868	185,092
10,641	8,711	19,352	...	2	2	3,886	3,235	7,121	104,083	86,109	190,192

Annual Form No. V.—Deaths registered according to class in the

1	2	3											
		Population according to											
No.	District.	Christians.			Hindus.			Muhammadans.			Buddhists.		
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total
	PATNA DIVISION.												
1	Patna	1,990	1,513	3,503	852,682	787,147	1,639,829	101,175	101,480	202,655	15	1	16
2	Gaya	298	278	576	1,075,495	1,058,046	2,133,541	117,436	136,124	253,560	13	6	19
3	Shahabad	1,083	1,252	2,335	924,282	914,580	1,838,862	73,260	78,108	151,368	5	6	11
	TIRHUT DIVISION.												
4	Saran	282	178	460	1,072,048	1,104,936	2,176,984	147,703	161,302	309,005	...	...	...
5	Champaran ...	1,681	1,974	3,655	903,010	884,264	1,787,274	175,988	178,247	354,235	...	...	...
6	Muzaffarpur ...	481	406	887	1,258,489	1,290,517	2,549,006	184,852	206,239	391,091	1	...	1
7	Darbhanga ...	286	245	531	1,354,928	1,370,499	2,725,427	215,663	224,374	440,037	...	...	...
	BHAGALPUR DIVISION.												
8	Monghyr	1,058	859	1,917	1,031,465	1,017,727	2,049,192	109,408	119,089	228,497	3	1	4
9	Bhagalpur ...	881	679	1,560	1,002,664	977,598	1,980,262	125,257	124,179	249,436	...	...	...
10	Purnea	973	850	1,823	665,451	619,863	1,285,314	456,347	430,021	886,368	...	...	...
11	Santal Parganas ...	6,464	6,882	13,346	475,601	473,597	949,198	112,839	110,863	223,702	...	...	...
	ORISSA DIVISION.												
12	Cuttack ...	1,222	1,651	2,873	996,424	1,110,406	2,106,830	29,965	36,139	66,104	209	183	392
13	Balasore	685	690	1,375	457,943	486,738	944,681	15,661	16,074	31,735	1	...	1
14	Angul	156	151	307	80,344	83,319	163,663	176	117	293	...	...	...
15	Puri	768	768	1,536	488,555	522,524	1,011,079	10,875	11,643	22,518	2	1	3
16	Sambalpur ...	1,780	1,838	3,618	426,029	444,149	870,178	2,008	1,805	3,813	...	...	...
	CHOTA NAGPUR DIVISION.												
17	Hazaribagh ...	1,706	1,463	3,169	597,528	610,571	1,208,099	84,799	86,895	171,694	135	86	221
18	Ranchi	130,114	132,494	262,608	433,323	436,169	869,492	33,778	32,269	66,047	9	4	13
19	Palamau	4,242	4,365	8,607	335,519	334,442	669,961	37,369	37,132	74,501	...	...	...
20	Manbhum ...	3,922	3,734	7,656	824,012	768,515	1,592,527	61,712	49,665	111,377	2	4	6
21	Singhbhum ...	10,056	9,496	19,552	237,465	222,610	460,075	16,543	10,211	26,754	158	74	232
	Total for the Province	170,128	171,766	341,894	15,493,257	15,518,217	31,011,474	2,112,814	2,151,976	4,264,790	553	366	919

DIX I—*contd.*

districts of Bihar and Orissa Province, during the year 1934—contd.

						4									
census, 1931.						Number of deaths registered.									
Other classes.			Total.			Christians.			Hindus.			Muhammadans.			
Male.	Female.	Total.	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	No.
262	209	471	956,124	890,350	1,846,474	4	...	4	20,744	19,997	40,741	1,899	1,707	3,606	1
401	365	766	1,193,643	1,194,819	2,388,462	8	3	11	35,432	33,380	63,812	3,671	3,403	7,074	2
469	444	913	999,099	994,390	1,993,489	1	1	2	24,821	24,426	49,247	1,546	1,496	3,042	3
16	3	19	1,220,049	1,266,419	2,486,468	4	...	4	25,794	22,967	48,761	3,107	2,784	5,891	4
277	246	523	1,080,956	1,064,731	2,145,687	67	58	125	222,845	19,938	42,783	3,753	3,020	6,773	5
24	16	40	1,443,847	1,497,178	2,941,025	13	7	20	31,682	30,734	62,416	4,298	3,944	8,242	6
82	17	99	1,570,959	1,595,135	3,166,094	3	2	5	30,779	28,274	59,053	4,290	3,633	7,923	7
3,863	3,681	7,544	1,145,797	1,141,357	2,287,154	6	8	14	32,407	29,983	62,390	2,907	2,543	5,450	8
1,782	1,592	3,374	1,130,584	1,104,048	2,234,632	8	7	15	26,753	23,277	50,030	2,745	2,184	4,929	9
6,910	6,128	13,038	1,129,681	1,056,862	2,186,543	20	23	43	17,552	15,414	32,966	13,680	12,185	25,865	10
431,017	434,209	865,226	1,025,921	1,025,551	2,051,472	86	79	165	12,946	11,606	24,552	3,132	2,582	5,714	11
314	194	508	1,028,134	1,148,573	2,176,707	9	6	15	37,942	38,805	76,747	861	829	1,690	12
6,228	6,580	12,808	480,518	510,082	990,600	7	10	17	17,263	18,112	35,375	515	477	992	13
28,249	30,224	58,473	108,925	113,811	222,736	...	...	...	2,379	2,194	4,573	3	1	4	14
14	4	18	500,214	534,940	1,035,154	7	7	14	15,515	15,800	31,315	286	258	544	15
1,643	1,693	3,336	431,460	449,485	880,945	15	13	28	16,120	15,180	31,300	41	36	77	16
67,788	66,386	134,174	751,956	765,401	1,517,357	1	4	5	15,841	14,461	30,302	1,800	1,594	3,394	17
179,839	189,150	368,989	777,063	790,086	1,567,149	2,451	2,229	4,680	7,463	6,567	14,030	830	650	1,480	18
32,648	33,019	65,667	409,778	408,958	818,736	143	127	270	11,562	10,479	22,041	947	860	1,807	19
50,361	48,963	99,324	940,009	870,881	1,810,890	30	23	53	16,799	14,266	31,065	1,031	783	1,814	20
205,199	217,990	423,189	469,421	460,381	929,802	84	77	161	4,263	3,552	7,815	134	94	228	21
1,017,386	1,041,113	2,058,499	18,794,138	18,883,438	37,677,576	2,967	2,684	5,651	426,902	399,412	826,314	51,476	45,063	96,539	

Annual Form No. V.—Deaths registered according to class in the

1	2	3											
		Number of deaths registered —*concld.*									Ratio of deaths		
No.	District.	Buddhists.			Other classes.			Total.			Christians.		
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
	PATNA DIVISION.												
1	Patna	...	...	...	2	2	4	22,649	21,706	44,355	2·0	...	1·1
2	Gaya	5	1	6	41	42	83	39,157	36,829	75,986	26·8	10·8	19·1
3	Shahabad ...	...	...	...	...	...	...	26,368	25,923	52,291	0·9	0·8	0·8
	TIRHUT DIVISION.												
4	Saran	...	...	...	...	...	...	28,905	25,751	54,656	14·2	...	8·7
5	Champaran ...	...	...	...	31	37	68	26,696	23,053	49,749	39·8	29·4	34·2
6	Muzaffarpur ...	...	...	...	...	...	...	35,993	34,685	70,678	27·1	17·2	22·5
7	Darbhanga ...	...	...	...	...	...	...	35,072	31,909	66,981	10·5	8·2	9·4
	BHAGALPUR DIVISION.												
8	Monghyr ...	...	...	...	...	...	...	35,320	32,534	67,854	5·7	9·3	7·2
9	Bhagalpur ...	...	...	...	7	8	15	29,513	25,476	54,989	9·0	10·3	9·6
10	Purnea	...	...	...	156	101	257	31,408	27,723	59,131	20·5	27·0	23·6
11	Santal Parganas ...	...	...	...	7,852	6,868	14,720	24,016	21,135	45,151	13·3	11·4	12·3
	ORISSA DIVISION.												
12	Cuttack	...	...	...	10	5	15	38,822	39,645	78,467	7·4	3·6	5·3
13	Balasore	...	...	...	141	123	264	17,926	18,722	36,648	10·2	14·5	12·4
14	Angul	...	...	...	1,090	1,070	2,160	3,472	3,265	6,737	...	...	...
15	Puri	...	...	...	...	...	...	15,808	16,065	31,873	9·1	9·1	9·1
16	Sambalpur ...	...	...	...	49	48	97	16,225	15,277	31,502	8·4	7·1	7·7
	CHOTA NAGPUR DIVISION.												
17	Hazaribagh ...	...	...	...	702	580	1,282	18,344	16,639	34,983	0·6	2·7	1·5
18	Ranchi	...	...	...	11,673	10,265	21,938	22,417	19,711	42,128	18·8	16·8	17·8
19	Palamau ...	..	...	...	4	3	7	12,656	11,469	24,125	33·7	29·1	31·4
20	Manbhum ...	...	...	...	2,333	1,851	4,184	20,193	16,923	37,116	7·6	6·1	6·9
21	Singhbhum ...	...	...	...	4,318	3,677	7,995	8,799	7,400	16,199	8·3	8·1	8·2
	Total for the Province	5	1	6	28,409	24,680	53,089	509,759	471,840	981,599	17·4	15·6	17·7

DIX I—*contd.*

districts of Bihar and Orissa Province, during the year 1934—concld.

4															5
per 1,000 of population.															
Hindus.			Muhammadans.			Buddhists.			Other classes.			Total.			
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	No.
24·3	25·4	24·8	18·7	16·8	17·8	...	...	...	7·6	9·5	8·5	23·6	24·4	24·0	1
32·9	31·5	32·2	31·2	25·0	27·9	307·7	166·6	315·8	102·2	115·1	108·3	32·8	30·8	31·8	2
26·8	26 7	26·8	21·1	19·1	20·1	...	...	...	...	...	...	26·3	26·0	26·2	3
24·1	20·8	22·4	21·1	17·3	19·1	...	...	...	...	...	...	23·7	20·3	21 9	4
25·3	22·5	23·9	21·3	16·9	19·1	...	...	...	111·9	150·4	130·0	24·7	21·6	23·2	5
25·2	23·8	24·5	23·2	19·1	21·1	...	...	...	...	...	...	24·9	23·2	24·0	6
22·7	20·6	21·6	19·9	16·2	18·0	...	...	...	...	...	...	22·3	20·0	21·1	7
31·4	29·5	30·4	26·6	21·3	23·8	...	...	...	...	...	...	30·8	28·5	29·7	8
26·6	23·8	25·2	21·9	17·6	19·2	..	...	...	3·9	5·0	4·4	26·1	23·0	24·6	9
26·4	24·9	25·6	30·0	28·3	29·2	...	...	...	22·6	16·5	19·9	27·8	26·2	27·0	10
27·2	24·5	25·8	27·7	23·2	25·5	...	...	...	18·6	15·8	17·0	23·4	20·6	22·0	11
38·1	34·9	36·4	28·7	22·9	25·6	...	...	...	31·3	25·8	29·5	37·7	34·5	36·0	12
37·7	37·2	37·4	32·9	29·7	31·2	...	...	...	22·6	18·7	20·6	37·3	36·7	37·0	13
29·6	26·3	27·9	17·0	8·5	13·6	...	...	...	38·6	35·4	36·9	31·9	28·7	30·2	14
31·7	30·2	30·9	26·3	22·1	24·2	...	...	...	...	...	...	31·6	29·8	30·6	15
37·8	34·2	36·0	20·4	19·9	20·2	...	...	...	29·8	28·3	29·0	37·6	34·0	35·7	16
26·5	23·6	25·0	21·2	18·3	19·8	...	...	...	10·0	8·7	9·5	24·4	21·7	23·0	17
17·2	15·0	16·1	24·5	20·1	22·4	...	...	...	64·9	54·2	59·4	28·8	24·9	26·8	18
34·5	31·3	32·9	25·3	23·2	24·2	...	...	...	0·1	0·09	0·1	30·9	28·0	29·5	19
20·4	18·5	19·5	16·7	15·7	16·2	...	...	...	46·3	37·8	42·1	21·5	19·4	20·5	20
18·3	15·9	16·9	8·1	9·2	8·1	...	...	...	21·4	16·1	18·9	18·7	15·9	17·4	21
27·5	25·7	26·6	24·4	20·9	22·6	9·0	2·7	6·5	27·9	23·7	25·8	27·1	25·0	26·0	

Annual Form no. VA.—Death rates according to class, urban and rural areas separately in each district of Bihar and Orissa province during the year 1934.

Number.	Districts.		Christians.	Hindus.	Muhammadans.	Buddhists.	Other classes.	Total.
1	2		3	4	5	6	7	8
1	Patna	Urban ...	1·4	18·8	13·7	...	...	17·3
		Rural ...	...	25·6	19·8	...	4·2	25·1
2	Gaya	Urban ...	2·0	38·6	32·9	...	2·3	36·9
		Rural ...	149·2	32·0	27·8	333·3	253·1	31·6
3	Shahabad	Urban ...	...	7·5	8·8	...	...	7·8
		Rural ...	1·1	27·7	23·0	...	...	27·3
4	Saran	Urban ...	...	22·2	21·8	...	...	22·1
		Rural ...	10·7	22·4	18·9	...	...	21·9
5	Champaran	Urban ...	56·7	13·2	8·3	...	...	13·4
		Rural ...	12·0	24·1	19·5	...	133·3	23·4
6	Muzaffarpur	Urban ...	10·9	25·6	19·8	...	...	24·2
		Rural ...	41·6	24·4	21·1	...	...	24·0
7	Darbhanga	Urban ...	10 5	24·0	15·5	...	...	21·6
		Rural ...	6·6	21·6	18·2	...	...	21·1
8	Monghyr	Urban ...	6·8	22·6	13·9	...	...	20·6
		Rural ...	8·3	30·7	24 6	...	...	30·0
9	Bhagalpur	Urban ...	2·5	17·1	8·9	...	...	14·6
		Rural ...	16·6	25·5	20·9	...	4·7	25·0
10	Purnea	Urban ...	...	9·0	9 9	...	22·9	9·4
		Rural ...	28·4	26·0	29·5	...	19·7	27·4
11	Santal Parganas ...	Urban ...	...	4·9	3·7	...	4·5	4·6
		Rural ...	13·1	26·9	26·3	...	17·0	22 4
12	Cuttack	Urban ...	4·5	14·9	12·9	...	55·5	14·4
		Rural ...	8 8	37·2	28·7	...	26·4	37·0
13	Balasore	Urban ...	12·3	22·1	22·1	...	...	21·7
		Rural ...	12·4	37·7	32·4	...	20·8	37·3
14	Angul	Urban ...	...	...	...	...	...	...
		Rural ..	...	27·9	13·6	...	36·9	30·2
15	Puri	Urban ...	10·0	38·7	29·4	...	...	35·7
		Rural ...	8·9	30·7	24·0	...	...	30·6
16	Sambalpur	Urban ..	...	26·6	18·3	...	106·4	25·8
		Rural ...	8·3	36·1	21·0	...	28·0	35·9
17	Hazaribagh	Urban ...	...	8·9	8·6	...	...	8·5
		Rural ...	2·4	25·5	20·6	...	9·5	23·5
18	Ranchi	Urban ...	2·4	7·5	5·4	...	21·7	7·1
		Rural ...	18·3	16·4	27·0	...	59·8	27·6
19	Palamau	Urban ...	...	5·8	7·6	...	...	6·0
		Rural ...	31·9	33·3	24·8	...	0·1	29·8
20	Manbhum	Urban ...	4·1	13·5	13·1	...	...	14·5
		Rural ...	7·7	19·7	16·5	...	42·1	20·7
21	Singhbhum	Urban ...	6·9	6·9	5·9	...	8·4	6·8
		Rural ...	8·7	19·2	15·5	....	19·1	18·9
	Total for the Province ...	Urban ...	8·3	19·1	14·2	...	27·1	16·8
		Rural ...	17·2	26 9	23·3	7·6	25 8	26 4

APPENDIX I.

Annual Form No. VI.

Annual Form No. VI.—Deaths registered from different causes in the

1	2	3			4			5			6	7	8	9	10	11
		Population according to census of 1931.			Births.			Birth rates.								
No.	Districts and Towns.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.
	DISTRICTS EXCLUDING TOWNS.															
	PATNA DIVISION.															
1	Patna	811,800	776,390	1,588,190	25,141	24,331	49,472	15·8	15·3	31·1	3,436	519	...	22,881	595	816
2	Gaya	1,134,074	1,149,203	2,283,277	53,127	50,890	104,017	23·3	22·3	45·6	5,328	1,673	...	51,414	184	69
3	Shahabad ...	936,948	938,911	1,875,859	41,783	38,625	80,408	22·3	20·6	42·9	3,444	1,151	13	36,452	106	21
	TIRHUT DIVISION.															
4	Saran	1,181,847	1,234,146	2,415,993	44,931	41,783	86,714	18·6	17·3	35·9	1,119	394	1,540	30,309	330	650
5	Champaran ...	1,055,771	1,044,430	2,100,201	35,099	33,499	68,598	16·7	15·9	32·6	6,162	463	42	35,101	11	5
6	Muzaffarpur ...	1,397,930	1,460,854	2,858,784	48,633	45,670	94,303	17·0	16·0	33·0	521	416	1,781	56,926	98	52
7	Darbhanga ...	1,518,105	1,549,764	3,067,869	46,408	43,727	90,135	15·1	14·2	29·3	833	683	1,500	53,584	110	11
	BHAGALPUR DIVISION.															
8	Monghyr ...	1,101,576	1,102,369	2,203,945	43,856	41,577	85,433	19·9	18·9	38·8	7,667	1,873	418	45,071	90	17
9	Bhagalpur ...	1,081,084	1,064,468	2,145,552	35,395	34,313	69,708	16·6	15·9	32·5	4,998	891	...	42,528	91	29
10	Purnea	1,101,882	1,038,438	2,140,320	32,651	29,776	62,427	15·2	13·9	29·1	1,320	6,324	...	47,608	65	14
11	Santal Parganas ...	998,960	1,003,976	2,002,936	29,248	27,311	56,559	14·6	13·6	28·2	3,106	849	..	37,036	265	264
	ORISSA DIVISION.															
12	Cuttack ..	980,266	1,107,885	2,088,151	38,509	36,017	74,526	18·4	17·2	35·7	4,875	7,082	...	30,629	11,108	1,392
13	Balasore ...	470,385	502,372	972,757	14,566	13,522	28,088	15·0	13·9	28·9	3,235	866	...	20,181	612	58
14	Angul	108,925	113,811	222,736	4,422	4,126	8,548	19·8	18·5	38·4	7	57	...	5,615	55	15
15	Puri	479,511	518,075	997,586	19,004	18,521	37,525	19·0	18·6	37·6	1,034	2,386	...	9,169	4,118	1,281
16	Sambalpur ...	423,744	442,184	865,928	16,401	15,365	31,766	18·9	17·7	36·6	1,684	579	...	14,525	2,260	1,373
	CHOTA NAGPUR DIVISION.															
17	Hazaribagh ...	725,619	740,881	1,466,500	27,125	25,816	52,941	18·5	17·6	36·1	1,381	1,438	...	26,982	61	43
18	Ranchi	746,329	762,726	1,509,055	25,163	24,064	49,227	16·7	15·9	32·6	1,084	283	...	33,419	1,316	63
19	Palamau ...	403,177	403,519	806,696	17,698	16,962	34,660	21·9	21·0	42·9	3,178	484	...	16,701	50	12
20	Manbhum ...	908,615	845,882	1,754,497	26,121	24,764	50,885	14·9	14·1	29·0	1,431	357	...	30,186	192	214
21	Singhbhum ...	401,278	414,089	815,367	11,604	11,213	22,817	14·2	13·7	27·9	10	666	...	13,052	13	5
	Total for the province.	17,967,826	18,214,373	36,182,199	636,885	601,872	1,238,757	17·6	16·6	34·2	55,883	29,434	5,294	659,459	22,030	6,404
	TOWNS.															
	PATNA DISTRICT.															
1	Patna City ...	92,238	67,452	159,690	1,584	1,381	2,965	9·9	8·6	18·5	319	30	...	1,018	214	223
2	Bihar	24,532	22,462	46,994	401	358	759	8·5	7·6	16·1	29	21	...	155	30	20
3	Dinapore ...	12,347	11,874	24,221	210	213	423	8·7	8·8	17·5	22	6	...	145	25	17
4	Barh	5,179	4,571	9,750	107	105	212	10·9	10·8	21·7	16	1	...	35	8	13
5	Khagole ...	4,119	3,293	7,412	63	58	121	8·5	7·8	16·3	8	1	...	28	2	4
	GAYA DISTRICT.															
6	Gaya	50,625	37,380	88,005	1,478	1,322	2,800	16·8	15·0	31·8	105	87	...	2,066	150	89
7	Tikari	26,887	2,794	5,481	137	155	292	25·0	28·3	53·3	3	1	...	81	7	7
8	Daudnagar ...	6,257	5,442	11,699	201	232	433	17·2	19·8	37·0	10	29	...	196	3	5

DIX I—*contd.*

districts and towns of Bihar and Orissa Province, during the year 1934—contd

11						12	13			14												
Injuries.							Total deaths from all causes.			Ratio of deaths per 1,000 of population.												
Suicide.																		From all causes.				
Male.	Female.	Wounds or accidents.	Snake-bite or killed by wild animals.	Rabies.	Total.	All other causes.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.	Injuries.	All other causes.	Male.	Female.	Total.	Mean of previous five years.	No.
70	91	173	255	2	591	10,749	20,323	19,564	39,887	2·2	0·3	...	14·4	0·5	0·5	0·4	6·8	25·0	25·2	25·1	24·6	1
31	46	244	335	2	658	12,774	37,097	35,003	72,100	2·3	0·7	...	22·5	0·08	0·03	0·3	5·6	32·7	30·4	31·6	27·1	2
58	65	164	185	8	480	9,707	25,897	25,477	51,374	1·8	0·6	0·007	19·4	0·05	0·01	0·3	5·2	27·6	27·1	27·3	25·5	3
47	92	545	555	13	1,252	17,507	28,120	24,981	53,101	0·4	0·2	0·6	12·5	0·1	0·3	0·5	7·2	23·8	20·2	21·9	24·9	4
23	24	421	468	1	937	6,417	26,344	22,794	49,138	2·9	0·2	0·02	16·7	0·005	0·002	0·4	3·0	24·9	21·8	23·4	23·8	5
44	85	1,534	561	9	2,233	6,660	34,983	33,704	68,687	0·2	0·1	0·6	19·9	0·03	0·01	0·8	2·3	25·0	23·1	24·0	27·9	6
10	14	2,018	538	5	2,585	5,521	33,941	30,916	64,857	0·3	0·2	0·5	17·4	0·03	0·003	0·8	1·8	22·3	19·9	21·1	26·1	7
29	36	192	443	5	705	10,298	34,413	31,726	66,139	3·4	0·8	0·2	20·4	0·04	0·008	0·3	4·7	32·2	28·8	30·0	25·5	8
32	16	130	340	16	534	4,615	28,795	24,891	53,686	2·3	0·4	...	19·8	0·04	0·01	0·2	2·1	26·6	23·4	25·0	23·2	9
67	50	53	366	4	540	2,733	31,152	27,542	58,694	0·6	2·9	...	22·3	0·03	0·007	0·2	1·3	28·3	26·5	27·4	22·8	10
49	52	93	188	23	405	3,000	23,896	21,029	44,925	1·5	0·4	...	18·5	0·1	0·1	0·2	1·4	23·9	20·9	22·4	18·1	11
98	334	416	223	27	1,098	21,011	38,135	39,060	77,195	2·3	3·4	...	14·7	5·3	0·7	0·5	10·1	38·9	35·2	37·0	31·4	12
35	103	201	168	16	523	10,786	17,726	18,535	36,261	3·3	0·9	...	20·7	0·6	0·05	0·5	11·1	37·7	36·9	37·5	30·8	13
6	16	55	82	1	160	828	3,472	3,265	6,737	0·03	0·2	...	25·2	0·2	0·[illegible]7	0·7	3·7	32·9	28·7	30·2	26·2	14
44	85	267	113	7	516	12,025	15,060	15,469	30,529	1·0	2·4	...	9·2	4·1	1·2	0·5	12·0	31·4	29·8	30·6	28·4	15
23	21	160	60	9	273	10,421	16,012	15,103	31,115	1·9	0·7	...	16·8	2·6	1·6	0·3	12·0	37·8	34·1	35·[illegible]	25·9	16
56	52	162	114	3	387	4,256	18,139	16,409	34,548	0·9	0·9	...	18·4	0·04	0·03	0·3	2·9	24·9	22·2	23·5	20·6	17
23	8	149	169	1	350	5,198	22,190	19,523	41,713	0·7	0·2	...	23·1	0·9	0·04	0·2	3·4	29·8	25·6	27·6	21·1	18
27	33	85	106	1	252	3,375	12,615	11,437	24,052	3·9	0·6	...	20·7	0·06	0·01	0·3	4·2	31·3	28·3	29·8	27·8	19
37	21	174	113	3	348	3,569	19,711	16,586	36,297	0·8	0·2	...	17·2	0·1	0·1	0·2	2·0	21·7	19·6	20·7	16·0	20
26	26	43	138	2	235	1,435	8,331	7,085	15,416	0·01	0·6	...	16·0	0·01	0·006	0·3	1·7	20·7	17·1	18·9	15·5	21
835	1,270	7,279	5,520	158	15,062	162,885	496,352	460,099	956,451	1·5	0·8	0·1	18·2	0·6	0·2	0·4	4·5	27·6	25·3	26·4	24·5	
4	4	114	11	1	134	1,260	1,692	1,506	3,198	1·9	0·2	...	6·3	1·3	1·4	0·8	7·9	18·3	22·3	20·0	11·9	1
...	1	9	...	...	10	122	190	197	387	0·6	0·4	...	3·3	0·6	0·4	0·2	2·6	7·7	8·8	8·2	9·5	2
...	...	9	6	...	15	107	169	168	337	0·9	0·2	...	5·9	1·0	0·7	0·6	4·4	13·7	14·2	13·9	17·5	3
1		7	3	...	11	63	79	68	147	1·6	0·1	...	3·6	0·8	1·3	1·1	6·4	15·2	14·9	15·1	16·5	4
...	...	1	1	...	2	30	41	34	75	1·1	0·1	...	3·7	0·3	0·5	0·3	4·0	9·9	10·3	10·1	14·7	5
5	4	77	...	3	89	864	1,834	1,616	3,450	1·2	1·0	...	23·5	1·7	1·0	1·0	9·8	36·2	43·2	39·2	33·4	6
1	1	1	2	...	5	36	68	71	139	0·4	0·2	...	14·8	1·3	1·3	0·9	6·6	25·3	25·4	25·4	22·8	7
...	...	6	...	...	6	48	158	139	297	0·8	2·5	...	16·7	0·2	0·4	0·5	4·1	25·2	25·5	25·4	17·3	8

Annual Form No. VI.—Deaths registered from different causes in the

1	2	3			4			5			6	7	8	9	10	11
No	Districts and Towns.	Population according to census of 1931.			Births.			Birth rate,			Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.						
	TOWNS—*contd.*															
	SHAHABAD DISTRICT.															
9	Arrah	26,635	22,287	48,922	246	194	440	5·0	4·0	9·0	14	7	...	145	12	10
10	Buxar	7,430	6,019	13,449	191	168	359	14·2	12·5	26·7	1	1	...	74	7	5
11	Dumraon ...	7,602	6,819	14,421	164	169	333	11·4	11·7	23·1	4	...	...	34	3	1
12	Jagadispur ...	4,791	4,870	9,661	125	116	241	13·0	12·0	25·0	5	...	...	54	7	4
13	Sasaram ...	12,473	12,702	25,175	351	289	640	13·9	11·5	25·4	46	3	...	193	5	3
14	Bhabhua ...	3,220	2,782	6,002	92	73	165	15·3	12·1	27·4	4	1	...	31	1	...
	SARAN DISTRICT.															
15	Chapra... ...	25,934	21,514	47,448	804	634	1,438	16·9	13·4	30·3	97	17	...	439	41	47
16	Revelganj ...	4,297	4,525	8,812	202	186	388	22·9	21·1	44·0	...	1	...	114	19	15
17	Siwan	7,981	6,234	14,215	276	223	499	19·4	15·7	35·1	1	...	1	86	3	1
	CHAMPARAN DISTRICT.															
18	Bettiah	14,659	13,282	27,941	212	191	403	7·6	6·8	14·4	9	2	63	246	...	2
19	Motihari ...	10,526	7,019	17,545	186	165	351	10·6	9·4	20·0	3	1	2	99	...	1
	MUZAFFARPUR DISTRICT.															
20	Muzaffarpur ...	25,050	17,999	43,049	448	384	833	10·4	8·9	19·3	...	17	2	198	34	25
21	Sitamarhi ...	6,255	4,446	10,701	162	130	292	15·1	12·1	27·2	3	2	...	138	20	6
22	Hajipur ...	9,936	9,363	19,299	337	322	659	17·4	16·7	34·1	6	4	...	193	32	22
23	Lalganj	4,676	4,516	9,192	170	147	317	18·5	16·0	34·5	...	12	49	75	3	4
	DARBHANGA DISTRICT.															
24	Darbhanga ...	32,274	28,402	60,676	966	696	1,662	15·9	11·5	27·4	33	79	...	356	50	34
25	Roserah ...	4,533	4,336	8,869	126	100	226	14·2	11·3	25·5	...	5	...	64	2	1
26	Samastipur ...	6,101	3,790	9,891	118	94	212	11·9	9·5	21·4	7	...	...	43	...	2
27	Madhubani ...	9,946	8,843	18,789	297	231	528	15·8	12·3	28·1	1	4	...	90	9	5
	MONGHYR DISTRICT.															
28	Monghyr ...	27,843	25,020	52,863	493	373	866	9·3	7·1	16·4	59	57	...	260	63	27
29	Jamalpur ...	16,378	13,968	30,346	454	434	888	14·9	14·3	29·2	243	98	...	197	29	18
	BHAGALPUR DISTRICT.															
30	Bhagalpur ...	46,868	36,979	83,847	939	672	1,611	11·2	8·0	19·2	44	8	...	723	54	43
31	Colgong ..	2,632	2,601	5,233	68	60	128	12·9	11·5	2·44	15	8	...	90	4	4
	PURNEA DISTRICT.															
32	Purnea	9,255	6,219	15,474	104	91	195	6·7	5·9	12·6	3	2	...	169	4	3
33	Kishenganj ...	5,817	3,129	8,946	48	35	83	5·4	3·9	9·3	...	7	...	79	1	3
34	Katihar ..	9,014	6,850	15,864	85	66	151	5·3	4·2	9·5	...	2	...	53	1	3
35	Forbesganj ...	3,713	2,226	5,939	91	75	166	15·3	12·6	27·9	...	8	...	52	7	4

DIX I—*contd.*

districts and towns of Bihar and Orissa Province, during the year 1934—contd.

11						12	13			14												15
Injuries.							Total deaths from all causes.			Ratio of deaths per 1,000 of population.												
Suicide.																		From all causes.				
Male.	Female.	Wounds or accidents.	Snake-bite or killed by wild animals	Rabies.	Total.	All other causes.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.	Injuries.	All other causes.	Male.	Female.	Total.	Mean of previous five years.	No.
2	...	9	2	...	13	58	142	117	259	0·3	0·1	...	3·0	0·2	0·2	0·3	1·2	5·3	5·2	5·3	6·0	9
...	...	5	...	...	5	58	81	70	151	0·07	0·07	...	5·5	0·5	0·4	0·4	4·3	10·9	11·6	11·2	11·2	10
...	...	...	1	1	2	18	23	39	62	0·3	...	...	2·7	0·2	0·1	0·1	1·2	3·0	5·7	4·3	3·6	11
...	...	4	1	...	5	22	46	51	97	0·5	...	...	5·6	0·7	0·4	0·5	2·3	9·6	10·7	10·0	11·6	12
1	1	4	...	...	6	34	147	143	290	1·8	0·1	...	7·7	0·2	0·1	0·2	1·4	11·8	11·2	11·5	9·9	13
...	...	...	...	...	...	21	32	26	58	0·6	0·1	...	5·1	0·1	...	...	3·5	9·9	9·3	9·6	12·0	14
...	...	93	2	...	95	462	602	596	1,198	2·0	0·4	...	9·2	0·9	0·9	2·0	9·7	23·2	27·7	25·2	19·2	15
...	...	...	...	...	...	40	91	98	189	...	0·1	...	12·8	2·2	1·7	...	4·5	21·2	21·7	21·4	24·3	16
...	...	4	...	...	4	72	92	76	168	0·07	...	0·07	6·0	0·2	0·1	0·3	5·1	11·5	12·2	11·8	16·7	17
...	...	18	...	...	18	44	226	158	384	0·3	0·1	2·2	8·8	...	0·1	0·6	1·6	15·4	11·9	13·7	7·7	18
...	2	8	1	1	12	109	126	101	227	0·2	0·05	0·1	5·6	...	0·05	0·7	6·2	12·0	14·3	12·9	11·0	19
1	...	379	5	1	386	300	501	461	962	...	0·4	0·04	4·6	0·8	0·6	9·0	7·0	20·0	25·6	22·3	17·3	20
...	...	106	...	...	106	82	152	205	357	0·3	0·2	...	12·9	1·9	0·6	9·9	7·6	24·3	46·1	33·4	21·6	21
4	4	27	...	...	35	143	232	203	435	0·3	0·2	...	10·0	1·6	1·1	1·8	7·4	23·3	21·7	22·5	22·4	22
..	...	2	1	...	3	91	125	112	237	...	1·3	5·3	8·1	0·3	0·4	0·3	9·9	26·7	24·8	25·8	23·5	23
...	2	295	5	2	304	687	838	705	1,543	0·5	1·3	...	5·8	0·8	0·5	5·0	11·2	25·9	24·8	25·4	23·0	24
...	...	...	1	1	2	90	82	82	164	...	0·5	...	7·2	0·2	0·1	0·2	10·1	18·1	18·9	18·5	15·8	25
...	...	...	1	...	1	101	76	78	154	0·7	...	...	4·3	...	0·2	0·1	10·2	12·4	20·6	15·5	13·3	26
...	...	52	...	...	52	102	135	128	263	0·05	0·2	...	4·8	0·5	0·3	2·8	5·4	13·6	14·5	14·0	15·7	27
1	...	269	...	...	270	161	465	432	897	1·1	1·1	...	4·9	1·2	0·5	5·1	3·0	16·7	17·3	17·0	15·7	28
2	1	49	...	...	52	176	442	376	818	8·2	3·2	...	6·5	0·9	0·6	1·7	5·8	27·0	26·9	26·9	19·0	29
4	4	25	4	3	40	250	639	523	1,162	0·5	0·1	...	8·6	0·6	0·5	0·5	2·9	13·6	14·1	13·8	12·1	30
...	...	...	1	...	1	19	79	62	141	2·8	1·5	...	17·2	0·7	0·7	0·2	3·6	30·0	23·8	26·9	21·8	31
...	...	...	...	...	...	16	112	85	197	0·2	0·1	...	10·9	0·2	0·2	...	1·0	12·7	13·7	12·7	12·1	32
...	...	...	...	...	...	...	58	32	90	..	0·8	...	8·8	0·1	0·3	...	...	10·0	10·2	10·0	9·2	33
...	...	...	...	...	...	11	41	29	70	...	0·1	...	3·3	0·06	0·2	...	0·7	4·6	4·2	4·4	4·6	34
1	...	3	1	...	5	4	45	35	80	...	1·3	...	8·7	1·2	0·7	0·8	0·7	12·6	15·7	13·5	13·5	35

Annual Form No. VI.—Deaths registered from different causes in the

1	2	3			4			5			6	7	8	9	10	11
		Population according to census of 1931.			Births.			Birth rate.								
No.	District and Town.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.
	TOWNS—*concld.*															
	SANTAL PARGANAS DISTRICT.															
36	Sahibganj ...	8,530	7,353	15,883	56	48	104	3·5	3·0	6·5	15	...	...	35	1	2
37	Deoghar ...	8,117	6,100	14,217	38	47	85	2·6	3·3	5·9	1	3	..	37	4	3
38	Dumka	5,317	4,154	9,471	52	40	92	5·5	4·2	9·7	...	...	...	26	1	...
39	Madhupur ...	4,997	3,968	8,965	40	27	67	4·4	3·0	7·4	5	9	...	37	...	1
	CUTTACK DISTRICT.															
40	Cuttack... ...	36,357	28,906	65,263	414	329	743	6·3	5·1	11·4	8	67	...	181	93	46
41	Kendrapara ...	6,237	6,383	12,620	182	169	351	14·4	13·4	27·8	10	4	...	142	77	6
42	Jajpur	5,274	5,399	10,673	114	107	221	10·7	10·0	20·7	40	10	...	84	35	9
	BALASORE DISTRICT.															
43	Balasore ...	10,133	7,710	17,843	197	165	362	11·0	9·3	20·3	24	...	...	156	40	7
	PURI DISTRICT.															
44	Puri	20,703	16,865	37,568	356	287	643	9·5	7·6	17·1	40	187	...	359	225	104
	SAMBALPUR DISTRICT.															
45	Sambalpur ...	7,716	7,301	15,017	213	162	375	14·2	10·8	24·0	33	...	...	126	61	35
	HAZARIBAGH DISTRICT.															
46	Hazaribagh ...	10,903	10,074	20,977	226	222	448	10·8	10·6	21·4	24	7	...	180	3	...
47	Chatra	4,312	4,446	8,758	94	83	177	10·7	9·5	20·2	...	3	...	57	...	...
48	Giridih	11,122	10,000	21,122	126	95	221	5·9	4·5	10·4	3	4	...	61	4	1
	RANCHI DISTRICT.															
49	Ranchi	26,918	23,599	50,517	310	277	587	6·1	5·5	11·6	41	...	...	144	7	3
50	Lohardaga ...	3,816	3,761	7,577	113	105	218	14·9	13·8	28·7	...	16	...	123	8	1
	PALAMAU DISTRICT.															
51	Daltonganj ...	6,601	5,439	12,040	96	107	203	8·0	8·9	16·9	7	3	...	35	1	1
	MANBHUM DISTRICT.															
52	Purulia	14,388	11,586	25,974	271	249	520	10·4	9·6	20·0	18	...	...	232	3	4
53	Raghunathpur ..	3,654	3,485	7,139	120	107	227	16·8	14·9	31·7	...	...	...	149	2	...
54	Jhalda	3,470	3,454	6,924	127	106	233	18·3	15·3	33·6	...	6	...	101	1	9
55	Dhanbad ...	9,882	6,476	16,356	110	96	206	6·7	5·9	12·6	3	1	...	38	9	6
	SINGHBHUM DISTRICT.															
56	Chaibassa ...	5,716	5,069	10,785	183	159	342	16·9	14·8	31·7	...	6	...	162	6	7
57	Chakradharpur ..	6,215	4,976	11,191	89	80	169	7·9	7·2	15·1	...	3	...	58	...	2
58	Jugsalai ...	5,075	3,646	8,721	121	106	227	13·9	12·1	26·0	...	...	...	28	...	...
59	Jamshedpur ...	51,137	32,601	83,738	208	154	362	2·5	1·8	4·3	...	23	...	220	7	16
(a)	Total for all Towns	820,403	664,757	1,485,160	15,792	13,469	29,261	10·6	9·1	19·7	1,386	874	117	10,790	1,438	934
(a)	Total for the whole Province.	18,788,229	18,879,130	37,667,359	652,677	615,341	1,268,018	17·3	16·3	33·6	57,269	30,308	5,411	670,249	23,468	7,338

(a) Excluding cantonment population.

DIX I—*contd.*

districts and towns of Bihar and Orissa Province, during the year 1934—concld.

11						12	13			14												15
Injuries.							Total deaths from all causes.			Ratio of deaths per 1,000 of population.												
Suicide.																		From all causes.				
Male.	Female.	Wounds or accidents.	Snake-bite or killed by wild animals.	Rabies.	Total.	All other causes.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.	Injuries.	All other causes.	Male.	Female.	Total.	Mean of previous five years.	No.
...	...	3	1	...	4	24	41	40	81	0·9	...	...	2·2	0·06	0·1	0·3	1·5	4·8	5·4	5·1	3·5	36
...	...	...	...	...	...	6	32	22	54	0·07	0·2	...	2·6	0·2	0·2	..	0·4	3·9	3·6	3·8	3·9	37
1	1	...	...	...	2	1	11	19	30	...	...	...	2·7	0·1	...	0·2	0·1	2·0	4·5	3·1	4·6	38
...	...	1	...	...	1	8	36	25	61	0·5	1·0	...	4·1	...	0·1	0·1	1·0	7·2	6·3	6·8	3·8	39
3	...	13	...	1	17	253	399	266	665	0·1	1·0	...	2·8	1·4	0·7	0·3	3·9	11·0	9·2	10·2	9·0	40
...	4	1	...	1	6	109	168	186	354	0·8	0·3	...	11·2	6·1	0·5	0·5	8·6	26·9	29·1	28·0	33·6	41
1	2	2	4	...	9	66	120	133	253	3·7	0·9	...	7·9	3·3	0·8	0·8	6·2	22·7	24·6	23·7	21·4	42
2	...	3	...	...	5	155	200	187	387	1·3	...	...	8·7	2·2	0·4	0·3	8·7	19·7	24·2	21·7	19·6	43
2	3	6	3	2	16	413	748	596	1,344	1·1	5·0	...	9·5	6·0	2·8	0·4	10·9	36·1	35·3	35·7	32·4	44
...	...	2	...	1	3	129	213	174	387	2·2	...	...	8·4	4·1	2·3	0·2	8·6	27·6	23·8	25·8	22·3	45
...	2	5	...	...	7	26	111	136	247	1·1	0·3	...	8·6	0·1	...	0·3	1·2	10·2	13·5	11·8	8·0	46
...	...	1	...	...	1	20	37	44	81	...	0·3	...	6·5	...	...	0·1	2·3	8·6	9·8	9·2	17·2	47
2	2	...	1	...	5	29	57	50	107	0·1	0·2	...	2·8	0·2	0·1	0·2	1·4	5·1	5·0	5·1	5·6	48
...	...	5	..	...	5	29	125	104	229	0·8	...	...	2·8	·1	00·5	0·1	0·5	4·6	4·4	4·5	4·6	49
...	...	...	1	...	1	37	102	84	186	...	2·1	...	16·2	1·0	0·1	0·1	4·8	26·7	22·3	24·5	15·6	50
...	...	2	...	...	2	24	41	32	73	0·6	0·2	...	2·9	0·08	0·08	0·2	2·0	6·6	5·9	6·0	5·6	51
...	...	1	1	...	1	25	171	112	283	0·7	...	...	8·9	0·1	0·1	0·03	0·9	11·9	9·6	10·9	8·7	52
...	...	...	...	...	...	1	82	70	152	...	...	...	20·8	0·3	...	...	0·1	22·4	20·1	21·3	17·3	53
...	...	...	...	...	...	7	66	58	124	...	0·9	...	14·5	0·1	1·3	...	1·1	19·0	16·8	17·9	12·4	54
...	...	3	...	...	3	200	163	97	260	0·2	0·06	...	2·3	0·5	0·3	0·2	12·3	16·5	14·9	15·9	6·0	55
1	...	3	...	...	4	22	121	86	207	...	0·5	...	15·0	0·5	0·6	0·3	2·0	21·2	16·9	19·2	14·5	56
...	...	...	...	...	...	28	51	40	91	...	0·2	...	5·2	...	0·2	...	2·5	8·2	8·0	8·1	6·5	57
1	...	3	...	...	4	15	25	22	47	...	...	...	3·2	...	...	0·4	1·7	4·9	6·0	5·4	6·3	58
1	1	26	1	...	29	143	271	167	438	...	0·3	...	2·6	0·08	0·2	0·3	1·7	5·3	5·1	5·2	0·8	59
41	39	1,656	60	18	1,814	7,471	13,252	11,572	24,824	0·9	0·6	0·08	7·3	1·0	0·6	1·2	5·0	16·1	17·4	16·7	13·9	...
876	1,369	8,935	5,580	176	16,876	170,356	509,604	471,671	981,275	1·5	0·8	0·1	17·8	0·6	0·2	0·4	4·5	27·1	25·0	26·0	24·1	...

APPENDIX TO ANNUAL

Births and Deaths registered in the cantonment of the

1	2	3			4						5	6	7	8	9	10
		Indian non-military population according to Census of 1931.			Births.			Birth-rate.								
No.	Name of cantonment.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.
1	Dinapur	5,909	4,308	10,217	152	160	312	14·8	15·7	30·5	20	2	...	140	13	10

FORM No. VI.

Bihar and Orissa Province, during the year 1934.

11						12	13			14											15
Injuries.							Total deaths from all causes.			Ratio of deaths per 1,000 of population.								All causes.			
Suicide.																					
Male.	Female.	Wounds or accidents.	Snake-bite or killed by wild animals.	Rabies.	Total.	All other causes.	Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhœa.	Respiratory diseases.	Injuries.	All other causes.	Male.	Female.	Total.	No.
...	...	...	1	...	1	138	155	169	324	1·9	0·2	...	13·7	1·2	0·9	0·1	13·5	26·2	39·2	31·7	1

Annual Form No. VII.—Deaths registered from Cholera in the

1	2	3		4		5						
No.	District.	Circles of registration.		Villages.								
		Number in each district.	Number from which deaths from cholera were reported.	Number in each district.	Number from which deaths from cholera were reported.	January.	February.	March.	April.	May.	June.	July.
	PATNA DIVISION.											
1	Patna	19	19	2,315	1,182	2	2	5	65	109	227	1,236
2	Gaya	16	16	6,058	1,396	1	...	...	37	139	417	883
3	Shahabad	17	17	4,735	660	1	1	...	5	124	584	1,068
	Total ...	52	52	13,108	3,238	4	3	5	107	372	1,228	3,187
	TIRHUT DIVISION.											
4	Saran	13	12	4,305	294	1	7	2	6	42	117	294
5	Champaran	11	11	2,548	584	3	...	6	3	8	42	262
6	Muzaffarpur	14	13	4,059	176	...	1	5	21	15	51	64
7	Darbhanga	14	12	3,135	500	16	...	1	...	19	6	109
	Total ...	52	43	14,047	1,554	20	8	14	30	84	216	729
	BHAGALPUR DIVISION.											
8	Monghyr	13	13	2,610	367	...	1	...	3	54	666	2,853
9	Bhagalpur	14	13	3,080	256	157	3	23	6	271	485	799
10	Purnea	17	10	4,160	200	7	...	2	3	...	...	19
11	Santal Parganas	10	9	10,160	422	4	2	36	34	151	461	658
	Total ...	54	45	20,010	1,245	168	6	61	46	476	1.612	4,329
	ORISSA DIVISION.											
12	Cuttack	13	13	5,506	971	722	383	587	338	177	477	866
13	Balasore	10	10	3,479	675	700	191	161	357	308	159	749
14	Angul	2	1	1,608	2	...	...	...	...	...	...	...
15	Puri	6	6	2,987	275	55	19	110	188	30	88	344
16	Sambalpur	23	22	1,943	179	...	3	...	34	61	390	709
	Total ...	54	52	15,523	2,102	1,477	596	858	917	576	1,114	2,668
	CHOTA NAGPUR DIVISION.											
17	Hazaribagh	21	18	6,087	128	...	1	...	15	93	56	35
18	Ranchi	32	19	3,838	194	...	...	...	...	...	...	41
19	Palamau	10	10	3,134	2,836	...	...	...	...	431	839	1,152
20	Manbhum	35	32	4,642	900	3	8	6	19	78	69	293
21	Singhbhum	13	2	3,013	3	...	...	...	...	...	...	...
	Total ...	111	81	20,714	4,061	3	9	6	34	602	964	1,521
	Total for the Province ...	323	278	83,402	12,200	1,672	622	944	1,134	2,110	5,134	12,434

DIX I—*contd.*

districts of Bihar and Orissa Province, during each month of the year 1934.

					6			7			8	1
					Total.			Ratio of deaths per 1,000 of population.				
August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
1,337	620	183	52	12	1,989	1,861	3,850	2·1	2·1	2·1	1·8	1
1,958	1,346	524	134	6	2,768	2,677	5,445	2·3	2·2	2·3	2·2	2
931	434	211	125	34	1,769	1,749	3,518	1·8	1·8	1·7	1·8	3
4,226	2,400	918	311	52	6,526	6,287	12,813	2·1	2·0	2·0	2·0	
299	305	104	35	5	640	577	1,217	0·5	0·5	0·5	1·4	4
1,271	2,746	1,261	442	130	3,208	2,966	6,174	3·0	2·8	2·9	2·1	5
54	104	156	42	17	292	238	530	0·2	0·1	0·2	3·1	6
138	59	112	204	240	470	434	904	0·3	0·3	0·2	3·6	7
1,762	3,214	1,633	723	392	4,610	4,215	8,825	0·9	0·8	0·8	2·7	
2,545	964	408	480	...	4,181	3,795	7,974	3·6	3·3	3·5	2·3	8
1,334	1,088	319	422	150	2,603	2,454	5,057	2·3	2·3	2·3	2·0	9
32	44	179	765	272	689	634	1,323	0·6	0·6	0·6	0·8	10
798	463	308	163	49	1,647	1,480	3,127	1·6	1·4	1·5	0·3	11
4,709	2,559	1,214	1,830	471	9,120	8,361	17,481	2·0	1·9	2·0	1·4	
492	329	252	179	131	2,321	2,612	4,933	2·2	2·3	2·3	2·3	12
419	161	12	30	12	1,691	1,568	3,259	3·5	3·1	3·3	1·8	13
6	1	...	...	...	7	...	7	0·06	...	0·03	0·03	14
93	69	36	29	13	545	529	1,074	1·1	0·9	1·0	1·3	15
512	8	...	...	...	877	840	1,717	2·0	1·8	1·9	0·2	16
1,522	568	300	238	156	5,441	5,549	10,990	2·1	2·0	2·1	1·6	
171	209	489	296	43	718	690	1,408	0·9	0·9	0·9	1·1	17
549	460	75	...	...	577	548	1,125	0·7	0·7	0·7	0·2	18
420	230	98	15	...	1,714	1,471	3,185	4·2	3·6	3·9	1·2	19
479	213	58	87	139	673	779	1,452	0·7	0·9	0·8	0·3	20
7	...	3	...	...	7	3	10	0·01	0·006	0·01	0·08	21
1,626	1,112	723	398	182	3,689	3,491	7,180	1·1	1·0	1·1	0·5	
13,845	9,853	4,788	3,500	1,253	29,386	27,903	57,289	1·6	1·5	1·5	1·7	

Annual Form No. VIII.—Deaths registered from small-pox in the

1	2	3		4		5					
		Circles of Registration.		Villages.							
No.	District.	Number in each district.	Number from which deaths from small-pox were reported.	Number in each district.	Number from which deaths from small-pox were reported.	January.	February.	March.	April.	May.	June.
	PATNA DIVISION.										
1	Patna	19	19	2,315	320	34	63	80	122	119	50
2	Gaya	16	16	6,058	800	200	233	220	287	301	173
3	Shahabad	17	17	4,735	408	132	166	202	198	167	137
	Total ...	52	52	13,108	1,528	366	462	502	607	587	360
	TIRHUT DIVISION.										
4	Saran	13	12	4,315	277	42	40	18	92	60	51
5	Champaran	11	11	2,548	205	22	29	51	52	114	92
6	Muzaffarpur	14	14	4,059	304	21	19	46	71	89	50
7	Darbhanga	14	13	3,135	400	22	23	39	155	226	154
	Total ...	52	50	14,047	1,186	107	111	154	370	489	347
	BHAGALPUR DIVISION.										
8	Monghyr	13	13	2,610	307	162	268	234	418	326	257
9	Bhagalpur	14	14	3,080	144	32	70	107	141	161	151
10	Purnea	17	17	4,160	400	361	434	562	1,138	1,512	967
11	Santal Parganas ...	10	9	10,160	272	42	43	61	48	104	102
	Total ...	54	53	20,010	1,12	597	815	964	1,745	2,103	1,477
	ORISSA DIVISION.										
12	Cuttack	13	13	5,506	1,404	892	1,207	1,328	1,382	679	316
13	Balasore	10	9	3,479	332	88	105	172	216	105	79
14	Angul	2	2	1,608	30	...	...	...	1	12	17
15	Puri	6	6	2,987	686	413	380	348	360	244	141
16	Sambalpur	23	20	1,943	186	19	17	33	28	56	109
	Total ...	54	50	15,523	2,638	1,412	1,709	1,881	1,987	1,096	662
	CHOTA NAGPUR DIVISION										
17	Hazaribagh	21	21	6,087	433	157	111	128	101	286	257
18	Ranchi	32	19	3,838	150	32	45	77	43	37	31
19	Palamau	10	9	3,134	300	83	38	62	83	89	64
20	Manbhum	35	31	4,642	200	34	34	27	64	55	43
21	Singhbhum	13	10	3,013	235	78	91	101	153	132	73
	Total ...	111	90	20,714	1,327	384	319	395	444	599	468
	Total for the Province ...	323	295	83,402	7,804	2,866	3,416	3,896	5,153	4,874	3,314

DIX I—*contd.*

districts of Bihar and Orissa Province, during each month of the year 1934.

						6			7		8			9	1
						Total.			Number of deaths among children.		Ratio of deaths per 1,000 of population.				
July.	August.	September.	October.	November.	December.	Male.	Female.	Total.	Under 1 year.	One year and under 10 years.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
51	19	21	6	9	6	298	282	580	102	178	0·3	0·3	0·3	0·4	1
111	60	30	38	59	78	922	868	1,790	158	255	0·8	0·7	0·7	0·8	2
66	24	16	15	20	20	599	564	1,163	139	177	0·6	0·6	0·6	0·6	3
228	103	67	59	88	104	1,819	1,714	3,533	399	610	0·6	0·5	0·6	0·6	
36	27	8	4	25	9	239	173	412	147	229	0·2	0·1	0·2	0·6	4
61	23	7	6	1	8	248	218	466	3	7	0·2	0·2	0·2	0·4	5
41	31	15	10	29	29	241	210	451	106	106	0·1	0·1	0·1	0·3	6
42	35	20	17	17	21	396	375	771	16	11	0·2	0·2	0·2	0·3	7
180	116	50	37	72	67	1,124	976	2,100	273	353	0·2	0·2	0·2	0·4	
156	84	55	16	9	43	1,024	1,004	2,028	252	456	0·9	0·9	0·9	0·5	8
93	61	29	9	15	38	468	439	907	...	...	0·4	0·4	0·4	0·3	9
598	281	163	88	102	137	3,352	2,991	6,343	330	1,047	3·0	2·8	2·9	0·2	10
84	103	120	45	44	65	489	372	861	10	26	0·4	0·3	0·4	0·3	11
931	529	367	158	170	283	5,333	4,806	10,139	592	1,529	1·2	1·1	1·2	0·3	
268	147	130	141	122	551	3,569	3,594	7,163	577	1,211	3·5	3·1	3·3	0·8	12
38	20	15	10	4	14	434	432	866	4	56	0·9	0·8	0·9	0·3	13
18	5	2	...	1	1	29	28	57	7	8	0·3	0·2	0·2	0·004	14
132	103	84	79	74	215	1,211	1,362	2,573	369	890	2·4	2·5	2·5	1·1	15
134	60	31	26	31	35	323	256	579	71	55	0·7	0·5	0·6	0·8	16
590	335	262	256	232	816	5,566	5,672	11,238	1,028	2,220	2·2	2·0	2·1	0·7	
165	70	73	21	22	61	771	681	1,452	149	345	1·0	0·9	0·9	0·1	17
30	...	...	...	4	...	144	155	299	...	...	0·2	0·2	0·2	0·2	18
18	17	4	4	8	17	247	240	487	...	...	0·6	0·6	0·6	0·5	19
52	33	6	3	6	7	215	149	364	2	2	0·2	0·2	0·2	0·07	20
38	8	3	1	3	17	356	342	698	13	79	0·7	0·7	0·7	0·1	21
303	128	86	29	43	102	1,733	1,567	3,300	164	426	0·5	0·5	0·5	0·2	
2,232	1,211	832	539	605	1,372	15,575	14,735	30,310	2,455	5,138	0·8	0·8	0·8	0·4	

Annual Form No. IX.—Deaths registered from Fevers in the district

1	2	3		4		5						
No.	District.	Circles of Registration.		Villages.								
		Number in each district.	Number from which deaths from fevers were reported.	Number in each district.	Number from which deaths from fevers were reported.	January.	February.	March.	April.	May.	June.	July.
	PATNA DIVISION.											
1	Patna	19	19	2,315	2,315	1,142	1,074	1,240	2,013	2,429	2,266	2,261
2	Gaya	16	16	6,058	6,058	2,585	2,517	3,015	4,095	4,842	4,870	5,269
3	Shahabad	17	17	4,735	4,735	1,800	1,717	2,020	2,609	3,134	3,592	3,744
	Total ...	52	52	13,108	13,108	5,527	5,308	6,275	8,717	10,405	10,728	11,274
	TIRHUT DIVISION.											
4	Saran	13	13	4,305	4,305	1,783	1,667	1,842	3,025	3,178	2,545	2,683
5	Champaran	11	11	2,548	2,548	2,559	2,117	2,129	3,001	3,653	3,034	2,736
6	Muzaffarpur	14	14	4,059	4,059	3,747	3,618	3,811	4,795	5,787	4,203	3,582
7	Darbhanga	14	14	3,135	3,135	3,340	4,059	4,196	5,048	4,718	4,351	3,859
	Total ...	52	52	14,047	14,047	11,429	11,461	11,978	15,869	17,336	14,133	12,860
	BHAGALPUR DIVISION.											
8	Monghyr	13	13	2,610	2,480	2,670	2,545	2,875	4,125	3,672	3,482	3,668
9	Bhagalpur	14	14	3,080	3,080	2,909	2,410	3,841	3,881	4,154	3,239	2,872
10	Purnea	17	17	4,160	4,160	4,625	3,691	3,863	4,748	5,231	3,902	3,075
11	Santal Parganas	10	10	10,160	5,150	2,579	2,175	2,468	2,973	3,389	3,337	3,354
	Total ...	54	54	20,010	14,870	12,783	10,821	13,047	15,727	16,446	13,960	12,969
	ORISSA DIVISION.											
12	Cuttack	13	13	5,506	5,506	4,122	2,931	2,521	3,058	2,452	1,713	2,527
13	Balasore	10	10	3,479	3,127	2,718	1,965	1,585	1,768	1,267	943	1,352
14	Angul	2	2	1,608	1,180	457	475	566	606	564	387	411
15	Puri	6	6	2,987	2,987	1,205	977	812	929	678	522	709
16	Sambalpur	23	23	1,943	1,943	1,035	949	1,128	1,656	1,294	987	1,126
	Total ...	54	54	15,523	14,743	9,537	7,297	6,612	8,017	6,255	4,552	6,125
	CHOTA NAGPUR DIVISION.											
17	Hazaribagh	21	21	6,087	6,037	1,438	1,627	1,654	2,386	2,562	2,385	2,276
18	Ranchi	32	32	3,838	3,703	1,945	1,785	1,948	2,443	2,796	2,401	3,140
19	Palamau	10	10	3,134	3,134	1,059	986	1,043	1,163	1,257	1,450	1,522
20	Manbhum	35	35	4,642	4,642	1,842	1,877	1,972	2,391	2,624	2,653	2,912
21	Singhbhum	13	13	3,013	2,643	936	822	1,100	1,277	1,070	999	1,273
	Total ...	111	111	20,714	20,209	7,220	7,097	7,717	9,660	10,309	9,888	11,123
	Total for Province ...	323	323	83,402	76,977	46,496	41,984	45,629	57,990	60,751	53,261	54,351

DIX I—*contd.*

of Bihar and Orissa Province, during each month of the year 1934.

					6			7			8	1
					Total.			Ratio of deaths per 1,000 of population.				
August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
2,763	2,916	2,510	2,198	1,590	12,096	12,306	24,402	12·7	13·8	13·2	12·5	1
6,185	6,746	5,347	4,489	3,797	27,329	26,428	53,757	22·9	22·2	22·5	18·7	2
4,281	4,017	4,098	3,225	2,746	18,175	18,808	36,983	18·2	18·9	18·9	16·9	3
13,229	13,679	11,955	9,912	8,133	57,600	57,542	115,142	18·3	18·7	18·5	16·3	
3,223	3,331	2,928	2,474	2,269	16,756	14,192	30,948	13·7	11·2	12·5	13·5	4
3,346	3,086	3,162	3,389	3,234	19,065	16,381	35,446	17·6	15·4	16·5	17·3	5
5,158	4,915	5,844	6,017	6,053	29,650	27,880	57,530	20·5	18·6	19·5	20·6	6
4,645	4,477	4,954	5,492	4,998	28,730	25,407	54,137	18·3	15·9	17·1	19·1	7
16,372	15,809	16,888	17,372	16,554	94,201	83,860	178,061	17·7	15·5	16·6	17·9	
4,181	4,898	5,196	4,409	3,807	23,569	21,959	45,528	20·6	19·2	19·9	17·5	8
3,250	4,108	4,238	3,952	4,487	23,254	20,087	43,341	20·6	18·2	19·4	18·5	9
3,377	3,463	3,603	4,203	4,270	25,487	22,564	48,051	22·6	21·3	22·0	19·5	10
4,170	3,604	3,116	3,201	2,805	19,606	17,565	37,171	19·1	17·1	18·1	15·2	11
14,978	16,073	16,153	15,765	15,369	91,916	82,175	174,091	20·7	19·0	19·9	17·6	
2,273	2,029	2,669	1,964	2,777	14,974	16,062	31,036	14·6	14·0	14·2	13·5	12
1,586	1,729	1,908	1,556	1,960	9,751	10,586	20,337	20·3	20·7	20·5	16·5	13
505	529	410	362	343	2,891	2,724	5,615	26·5	23·9	25·2	21·7	14
639	583	831	667	976	4,470	5,058	9,528	8·9	9·4	9·2	9·4	15
1,660	1,593	1,150	963	1,110	7,149	7,502	14,651	16·6	16·7	16·6	11·7	16
6,663	6,463	6,968	5,512	7,166	39,235	41,932	81,167	15·4	15·2	15·3	13·3	
2,852	2,856	2,466	2,516	2,262	14,174	13,106	27,280	18·9	17·1	17·9	15·9	17
3,949	4,698	3,652	2,725	2,204	17,900	15,786	33,686	23·0	19·9	21·5	16·9	18
1,631	1,771	1,747	1,477	1,630	8,668	8,068	16,736	21·1	19·7	20·4	21·4	19
3,670	3,326	2,658	2,200	2,581	16,581	14,125	30,706	17·7	16·2	16·9	13·7	20
1,432	1,300	1,218	1,100	993	7,319	6,201	13,520	15·5	13·4	14·5	12·0	21
13,534	13,951	11,741	10,018	9,670	64,642	57,286	121,928	19·3	17·4	18·3	15·7	
64,776	65,975	63,705	58,579	56,892	347,594	322,795	670,389	18·5	17·1	17·8	16·5	

Annual Form No. X.—Deaths registered from Dysentery and Diarrhœa in th-

1	2	3		4		5							
No.	District.	Circles of Registration.		Villages.									
		Number in each district.	Number from which deaths from Dysentery and Diarrhœa were reported.	Number in each district.	Number from which deaths from Dysentery and Diarrhœa were reported.	January.	February.	March.	April.	May.	June.	July.	August.
	PATNA DIVISION.												
1	Patna	19	19	2,315	548	37	30	48	75	128	71	130	211
2	Gaya	16	15	6,058	224	13	12	14	17	12	32	49	87
3	Shahabad	17	17	4,735	29	1	31	3	11	13	2	18	14
	Total ...	52	51	13,108	801	51	73	65	103	153	105	197	312
	TIRHUT DIVISION.												
4	Saran	13	13	4,305	200	30	48	45	29	30	42	22	29
5	Champaran	11	8	2,548	2	...	7	...	...	...	...	...	...
6	Muzaffarpur ..	14	11	4,059	138	7	6	10	18	19	14	15	30
7	Darbhanga	14	10	3,135	50	10	10	10	9	9	14	14	7
	Total ...	52	42	14,047	390	47	71	65	56	58	70	51	66
	BHAGALPUR DIVISION.												
8	Monghyr	13	11	2,610	143	4	2	3	21	29	11	11	24
9	Bhagalpur	14	10	3,080	59	5	2	18	25	2	8	16	24
10	Purnea	17	14	4,160	25	4	2	5	8	5	13	2	5
11	Santal Parganas ...	10	9	10,160	45	3	16	6	40	27	27	24	56
	Total ...	54	44	20,010	272	16	22	32	94	63	59	53	109
	ORISSA DIVISION.												
12	Cuttack	13	13	5,506	3,231	1,138	830	799	990	803	575	1,116	1,237
13	Balasore	10	10	3,479	492	81	54	43	43	33	29	72	72
14	Angul	2	2	1,608	46	3	3	7	4	8	3	4	9
15	Puri	6	6	2,987	1,785	427	318	314	470	359	291	458	391
16	Sambalpur	23	23	1,943	1,024	166	131	148	163	180	172	303	404
	Total ...	54	54	15,523	6,578	1,815	1,336	1,311	1,670	1,383	1,070	1,953	2,113
	CHOTA NAGPUR DIVISION.												
17	Hazaribagh	21	15	6,087	35	2	2	3	8	4	5	4	27
18	Ranchi	32	28	3,838	565	20	14	27	41	57	71	154	404
19	Palamau	10	7	3,134	42	...	2	1	1	5	3	1	8
20	Manbhum	35	25	4,642	100	5	11	11	15	7	16	16	39
21	Singhbhum	13	5	3,013	8	2	1	...	1	2	2	...	8
	Total ...	111	80	20,714	750	29	30	42	66	75	97	175	486
	Total for the Province	323	271	83,402	2,891	1,958	1,532	1,515	1,989	1,732	1,401	2,429	3,086

DIX I—*contd.*

districts of Bihar and Orissa Province, during each month of the year 1934.

				6			7			8	1
				Total.			Ratio of deaths per 1,000 of population.				
September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
165	111	109	72	592	595	1,187	0·6	0·6	0·6	0·6	1
46	27	25	10	208	136	344	0·2	0·1	0·1	0·1	2
18	18	10	2	88	53	141	0·08	0·05	0·07	0·03	3
229	156	144	84	888	784	1,672	0·3	0·2	0·3	0·2	
44	35	14	25	215	178	393	0·2	0·1	0·2	0·3	4
2	2	...	...	8	3	11	0·007	0·008	0·005	0·007	5
19	31	12	6	129	58	187	0·08	0·03	0·06	0·08	6
18	29	18	23	99	72	171	0·06	0·04	0·05	0·06	7
83	97	44	54	451	311	762	0·08	0·06	0·07	0·1	
24	26	11	16	109	73	182	0·09	0·06	0·08	0·06	8
22	12	7	8	109	40	149	0·1	0·03	0·1	0·04	9
3	6	17	8	50	28	78	0·04	0·02	0·03	0·02	10
32	18	8	14	176	95	271	0·1	0·1	0·1	0·09	11
81	62	43	46	444	236	680	0·1	0·05	0·08	0·05	
1,180	1.118	730	797	5,792	5,521	11,313	5·6	4·8	5·2	4·0	12
54	71	41	59	370	282	652	0·8	0·5	0·6	0·5	13
8	3	2	1	31	24	55	0·3	0·2	0·2	0·3	14
367	399	246	303	2,261	2,082	4,343	4·5	3·8	4·2	3·8	15
252	197	117	88	1,256	1,065	2,321	2·9	2·3	2·6	2·0	16
1,861	1,788	1,136	1,248	9,710	8,974	18,684	3·8	3·2	3·5	2·8	
3	8	2	...	45	23	68	0·1	0·03	0·04	0·05	17
321	160	39	23	737	594	1,331	0·9	0·7	0·8	0·4	18
12	15	3	...	40	11	51	0·1	0·03	0·06	0·04	19
40	16	8	23	126	81	207	0·1	0·1	0·1	0·04	20
5	4	1	...	22	4	26	0·04	0·01	0·02	0·04	21
381	203	53	46	970	713	1,683	0·3	0·2	0·2	0·1	
2,635	2,306	1,420	1,478	12,463	11,018	23,481	0·7	0·6	0·6	0·5	

Annual Form No. XI.—Deaths registered from Respiratory diseases in the

1	2	3		4		5						
No.	District.	Circles of Registration.		Villages.								
		Number in each district.	Number from which deaths from Respiratory diseases were reported.	Number in each district.	Number from which deaths from Respiratory diseases were reported.	January.	February.	March.	April.	May.	June.	July.
	PATNA DIVISION.											
1	Patna	19	19	2,315	441	78	86	96	112	97	79	88
2	Gaya	16	15	6,058	90	14	9	17	7	15	10	21
3	Shahabad	17	11	4,735	27	2	2	3	3	3	3	5
	Total ...	52	45	13,108	558	94	97	116	122	115	92	114
	TIRHUT DIVISION.											
4	Saran	13	13	4,305	266	60	56	56	86	60	55	66
5	Champaran	11	6	2,548	...	...	...	...	...	1	...	1
6	Muzaffarpur	14	13	4,059	23	10	5	11	24	7	8	9
7	Darbhanga	14	7	3,135	22	2	2	3	4	7	2	5
	Total ...	52	39	14,047	314	72	63	70	114	75	65	81
	BHAGALPUR DIVISION.											
8	Monghyr	13	9	2,610	17	3	7	4	7	3	5	6
9	Bhagalpur	14	10	3,080	37	3	5	6	8	8	5	7
10	Purnea	17	10	4,160	13	1	2	2	...	2	2	2
11	Santal Parganas	10	9	10,160	121	21	21	11	31	17	19	14
	Total ...	54	38	20,010	188	28	35	23	46	30	31	29
	ORISSA DIVISION.											
12	Cuttack	13	13	5,506	809	178	138	122	152	84	81	117
13	Balasore	10	9	3,479	30	4	3	9	7	3	2	8
14	Angul	2	2	1,608	5	...	...	2	...	...	1	3
15	Puri	6	6	2,987	714	154	139	101	141	101	72	129
16	Sambalpur	23	23	1,943	706	108	145	98	140	102	99	151
	Total ...	54	53	15,523	2,264	444	425	332	440	290	255	408
	CHOTA NAGPUR DIVISION.											
17	Hazaribagh	21	9	6,087	5	3	5	3	8	7	6	1
18	Ranchi	32	16	3,838	20	2	4	2	11	5	5	11
19	Palamau	10	5	3,134	...	2	1	...	...	...	1	2
20	Manbhum	35	29	4,642	120	20	9	17	15	19	15	17
21	Singhbhum	13	5	3,013	5	3	1	...	2	2	...	8
	Total ...	111	64	20,714	150	30	20	22	36	33	27	39
	Total for the Province ...	323	239	83,402	3,474	668	640	563	758	543	470	671

DIX I—*contd.*

districts of Bihar and Orissa Province, during each month of the year 1934.

					6			7			8	1
					Total.			Ratio of deaths per 1,000 of population.				
August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
101	97	85	97	87	613	490	1,103	0·6	0·6	0·6	0 6	1
30	13	16	8	10	106	64	170	0·09	0·05	0·07	0·05	2
5	6	4	3	5	32	12	44	0·03	0·01	0·02	0·02	3
136	116	105	108	102	751	566	1,317	0·2	0·2	0·2	0·2	
62	44	58	55	55	420	293	713	0·3	0·2	0·3	0·3	4
...	1	1	1	3	5	3	8	0·005	0·003	0·004	0·006	5
10	14	2	6	3	65	44	109	0·04	0·02	0·03	0·04	6
5	7	6	5	5	28	25	53	0·01	0·01	0·01	0·01	7
77	66	67	67	66	518	365	883	0·1	0·07	0·08	0·08	
5	3	8	8	3	33	29	62	0·03	0·02	0·03	0·03	8
10	8	6	4	6	49	27	76	0·04	0·02	0·03	0·04	9
3	2	2	1	8	17	10	27	0·01	0·01	0·01	0·01	10
40	27	25	23	21	193	77	270	0·2	0·07	0·1	0·1	11
58	40	41	36	38	292	143	435	0·07	0·03	0·05	0·04	
119	129	132	85	116	838	615	1,453	0·8	0·5	0·7	0·5	12
12	4	3	9	1	42	23	65	0·08	0·04	0·06	0·07	13
2	2	...	3	2	8	7	15	0·07	0·06	0·07	0·08	14
98	113	110	105	122	728	657	1,385	1·4	1·2	1·3	1·2	15
165	110	100	80	110	921	487	1,408	2·1	1·1	1·6	1·2	16
396	358	345	282	351	2,537	1,789	4,326	1·0	0·6	0·8	0·7	
2	2	2	2	3	32	12	44	0·04	0·01	0·02	0·03	17
6	3	5	4	9	47	20	67	0·06	0·02	0·04	0·05	18
3	1	1	1	1	7	6	13	0·02	0·01	0·01	0·01	19
23	26	23	15	34	161	72	233	0·2	0·01	0·1	0·06	20
4	2	3	2	3	20	10	30	0·04	0·02	0·03	0·02	21
38	34	34	24	50	267	120	387	0·08	0·04	0·06	0·04	
705	614	592	517	607	4,365	2,983	7,348	0·2	0·1	0·2	0·2	

Annual Form No. XII.—Deaths registered from Plague in the

1	2	3		4		5						
No.	District.	Circles of Registration.		Villages.								
		Number in each district.	Number from which Plague deaths from were reported.	Number in each district.	Number from which Plague deaths from were reported.	January.	February.	March.	April.	May.	June.	July.
	PATNA DIVISION.											
1	Patna	19	...	2,315	...	...	...	...	...	...	...	...
2	Gaya	16	...	6,058	...	...	...	...	...	...	...	...
3	Shahabad	17	1	4,735	...	...	...	...	...	...	...	13
	Total ...	52	1	13,108	...	...	...	...	...	...	...	13
	TIRHUT DIVISION.											
4	Saran	13	10	4,305	120	162	229	455	404	74	5	5
5	Champaran	11	4	2,548	14	...	15	36	4	7	1	...
6	Muzaffarpur	14	7	4,059	184	218	445	555	479	79	22	...
7	Darbhanga	14	3	3,135	160	164	281	447	376	202	10	...
	Total ...	52	24	14,047	478	544	970	1,493	1,263	362	33	5
	BHAGALPUR DIVISION.											
8	Monghyr	13	3	2,010	1	64	114	94	117	...	...	...
9	Bhagalpur	14	...	3,080	...	...	...	...	...	...	...	...
10	Purnea	17	...	4,160	...	...	...	...	...	...	...	...
11	Santal Parganas ...	10	...	10,160	...	...	...	...	...	...	...	...
	Total ...	54	3	20,010	1	64	114	94	117	...	...	...
	ORISSA DIVISION.											
12	Cuttack	13	...	5,506	...	...	...	...	...	...	...	...
13	Balasore	10	...	3,479	...	...	...	...	...	...	...	...
14	Angul	2	...	1,608	...	...	...	...	...	...	...	...
15	Puri	6	...	2,987	...	...	...	...	...	...	...	...
16	Sambalpur	23	...	1,943	...	...	...	...	...	...	...	...
	Total ...	54	...	15,523	...	...	...	...	...	...	...	...
	CHOTA NAGPUR DIVISION.											
17	Hazaribagh	21	...	6,087	...	...	...	...	...	...	...	...
18	Ranchi	32	...	3,838	...	...	...	...	...	...	...	...
19	Palamau	10	...	3,134	...	...	...	...	...	...	...	...
20	Manbhum	35	...	4,642	...	...	...	...	...	...	...	...
21	Singhbhum	13	...	3,013	...	...	...	...	...	...	...	...
	Total ...	111	...	20,714	...	...	...	...	...	...	...	...
	Total for the Province ...	323	28	83,402	479	608	1,084	1,587	1,380	362	38	18

DIX I—*concld.*

districts of Bihar and Orissa Province, during each month of the year 1934.

					6			7			8	1
					Total.			Ratio of deaths per 1,000 of population.				
August.	September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	Mean ratio per 1,000 of previous five years.	No.
...	...	...	...	...	...	...	...	...	...	...	0·01	1
...	...	...	...	...	...	...	...	...	...	...	0·007	2
...	...	...	...	...	...	13	13	...	0·01	0·007	0·01	3
...	...	...	...	...	...	13	13	...	0·004	0·002	0·009	
23	7	4	61	112	577	964	1,541	0·5	0·8	0·6	0·5	4
6	1	2	6	29	48	59	107	0·04	0·05	0·05	0·002	5
4	9	1	..	20	653	1,179	1,832	0·4	0·8	0·6	0·5	6
...	2	...	...	18	608	892	1,500	0·4	0·5	0·4	0·4	7
33	19	7	67	179	1,886	3,094	4,980	0·3	0·6	0·5	0·3	
...	...	...	4	25	180	238	418	0·2	0·2	0·2	0·3	8
...	...	...	...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	...	...	...	...	...	...	11
...	...	..	4	25	180	238	418	0·04	0·05	0·05	0·08	
...	...	...	...	...	...	...	...	...	...	...	...	12
...	...	...	...	...	...	...	...	...	...	...	...	13
...	...	...	...	...	...	...	...	...	...	...	...	14
...	...	...	...	...	...	...	...	...	...	...	...	15
...	...	...	...	...	...	...	...	...	...	...	...	16
...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	17
...	...	...	...	...	...	...	...	...	...	...	...	18
...	...	...	...	...	...	...	...	...	...	...	...	19
...	...	...	...	...	...	...	...	...	...	...	...	20
...	...	...	...	...	...	...	...	...	...	...	...	21
...	...	...	...	...	...	...	...	...	...	...	...	
33	19	7	71	204	2,066	3,345	5,411	0·1	0·2	0·1	0·1	

APPENDIX II.

PROVINCIAL.

Statement showing details of registration in areas in which it is compulsory.

Compulsory registration area.	Population according to Census of 1931.	Probable number of births at the rate of 286 per 1,000 married women between the ages of 15 and 40.	Actual number of births registered during the year.	Probable birth-rate per *mille* (columns 2 and 3).	Registered birth-rate per *mille* during the year.	Number of deaths registered during the year.		Death-rate per *mille*.		Number of persons prosecuted under Act IV (B. C.) of 1873.	Number of persons convicted.
						Including deaths in dispensary.	Excluding deaths in dispensary.	Including deaths in dispensary.	Excluding deaths in dispensary.		
1	2	3	4	5	6	7	8	9	10	11	12
1. Patna City	159,690	Not available.	2,965	Not available.	18·5	3,198	2,272	20·0	14·2	...	...
2. Bihar	46,994		759		16·1	387	361	8·2	7·7	...	...
3. Dinapore Nizamat	24,231		423		19·5	337	286	13·9	11·8	...	...
4. Barh	9,750		212		21·7	147	122	15·1	12·5	...	...
5. Khagol	7,412		121		16·3	75	75	10·1	10·1	...	...
6. Gaya	88,005		2,800		31·8	3,450	3,358	39·2	38·1	...	...
7. Tikari	5,481		292		53·3	139	139	25·4	25·4	...	...
8. Daudnagar	11,699		433		37·0	297	294	25·4	25·1	...	...
9. Arrah	48,922		440		9·0	259	148	5·3	3·0	...	...
10. Buxar	13,449		359		26·7	151	124	11·2	9·2	...	...
11. Dumraon	14,421		333		23.1	62	27	4·3	1·9	...	...
12. Jagdispur	9,661		241		25·0	97	93	10·0	9·6	...	...
13. Sasaram	25,175		640		25·4	290	262	11·5	10·4	...	...
14. Bhabua	6,002		165		27·4	58	45	9·6	7·5	...	...
15. Chapra	47,448		1,438		30·3	1,198	1,044	25·2	22·0	...	...
16. Revelganj	8,812		388		44·0	189	189	21·4	21·4	...	...
17. Siwan	14,215		499		35·1	168	107	11·8	7·5	...	...
18. Bettiah	27,941		403		14·4	384	231	13·7	8·3	5	5
19. Motihari	17,545		351		20·0	227	161	12·9	9·2	1	1
20. Muzaffarpur	43,049		832		19·3	962	840	22·3	19·5	3	3
21. Sitamarhi	10,701		292		27·2	357	327	33·4	30·5	9	9
22. Hajipur	19,299		659		34·1	435	397	22·5	20·6	2	2
23. Lalganj	9,192		317		34·5	237	237	25·8	25·8	...	...
24. Darbhanga	60,676		1,663		27·4	1,543	1,306	25·4	21·5	...	...
25. Roserah	8,869		236		25·5	164	164	18·5	18·5	...	...
26. Samastipur	9,891		212		21·4	154	114	15·5	11·5	...	...
27. Madhubani	18,789		528		28·1	263	224	14·0	11·9	...	...
28. Monghyr	52,863		866		16·4	897	747	17·0	14·1	...	...
29. Jamalpur	30,346		888		29·2	818	800	26·9	26·3	...	...
30. Bhagalpur	83,847		1,611		19·2	1,162	1,120	13·8	13·3	...	...
31. Colgong	5,233		128		24·4	141	141	26·9	26·9	...	...
32. Purnea	15,474		195		12·6	197	79	12·7	5·1	...	...
33. Kishanganj	8,946		83		9·3	90	62	10·0	6·9	...	...
34. Katihar	15,864		151		9·5	70	53	4·4	3·2	...	...
35. Forbesganj	5,939		166		27·9	80	80	13·5	13·5	...	...
36. Sahibganj	15,883		104		6·5	81	63	5·1	4·0	8	...
37. Deoghar	14,217		85		5·9	54	12	3·8	0·8	...	...
38. Dumka	9.471		92		9·7	30	...	3·1	...	...	...
39. Madhupur	8,965		67		7·4	61	42	6·8	4·7	...	...
40. Cuttack	65,263		743		11·4	665	436	10·2	6·7	...	...
41. Kendrapara	12,620		351		27·8	354	345	28·0	27·3	...	...
42. Jajpur	10.673		221		20·7	253	235	23·7	22·0	...	...
43. Balasore	17,843		362		20·3	387	325	21·7	18·2	...	...
44. Puri	37,568		643		17·1	1,344	1,091	35·7	29·0	...	...
45. Sambalpur	15,017		375		25·0	387	339	25·8	26·6	...	...
46. Hazaribagh	20,977		448		21·4	247	132	11·8	6·4	...	...
47. Chatra	8,758		177		20·2	81	66	9·2	7·5	...	...
48. Giridih	21,122		221		10·4	107	85	5·1	4·0	...	...
49. Ranchi	50,517		229		11·6	229	50	4·5	1·0	...	...
50. Lohardaga	7,577		587		28·7	186	180	24·5	23·7	...	...
51. Daltonganj	12,040		218		16·9	73	12	6·0	1·0	...	...
52. Purulia	25,974		520		20·0	283	150	10·9	5·8	...	...
53. Raghunathpur	7,139		227		31·7	152	151	21·3	21·1	...	...
54. Jhaldah	6,924		233		33·6	124	121	17·9	17·5	...	...
55. Dhanbad	16,356		206		12·6	260	156	15·9	9·5	...	...
56. Chaibassa	10,785		342		31·7	207	156	19·2	14·5	...	...
57. Chakradharpur	11,191		169		15·1	91	83	8·1	7·4	13	8
58. Jugsalai	8,721		247		26·0	47	47	5·4	5·4	17	...
59. Jamshedpur	83,738		362		4·3	438	413	5·2	4·8	...	...
(a) Total ...	1,485,160		29,261		19·7	24,824	20,719	15·7	13·9	58	28

(a) Excluding cantonment population.

APPENDIX III.

JHARIA MINING AREA.

Statistics of Epidemic Diseases.

1934.

Month.	Total births.	Total deaths.	Influenza.		Cholera.		Small-pox.		Plague.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1	2	3	4	5	6	7	8	9	10	11
January	123	88	30	2	...	...	16	1	...	...
February	110	86	289	3	1	...	51	1	...	...
March	166	138	1,119	6	8	1	79	2	...	...
April	145	114	419	7	5	...	106	12	...	...
May	140	101	244	3	7	5	106	3	...	...
June	156	80	195	2	2	...	36	4	...	...
July	169	155	460	1	65	21	18	3	...	...
August	154	185	774	4	55	19	4	3	...	...
September	182	141	624	4	12	4	1	...	...	...
October	164	110	670	6	2	1	1	...	...	...
November	151	97	265	6	...	...	1	...	...	...
December	162	82	71	4	1	...	3	...	...	...
Total ...	1,822	1,379	5,160	48	158	51	422	31	...	...
	14·2	10·7	40·2	0·4	1·2	0·4	3·3	0·2	...	...

N. B.—The figures relate to the labour population only and the ratios are calculated accordingly.

APPENDIX IV.

A summary of the activities of the Public Health Circle, Public Works Department, relating to the sanitary improvement of urban and rural areas in Bihar and Orissa during the year 1934.

The earthquake in January 1934, disorganized the ordinary work of this Circle for a considerable period. The immediate effect was to concentrate efforts on the restoration to normal of the public water-supplies at Muzaffarpur, Monghyr and Patna all of which were damaged. Subsequently considerable work was done in the provision of 1,000 Abyssinian tube-wells in the villages of the devastated areas in the North Bihar and in the provision of forty-six seated latrines for the emergency camps at Darbhanga and Muzaffarpur.

A further result of the earthquake has been to delay progress on the reorganization of the waterworks of Bhagalpur and Muzaffarpur, for which there were sanctioned projects and funds.

Projects—

One preliminary scheme amounting to Rs. 3,03,364 for Chapra water-supply was prepared and submitted.

The following detailed estimates were prepared and submitted to local authorities during the year :—

		Rs.
(1)	Twenty-six seated latrines for Muzaffarpur municipality ..	10,511
(2)	Ditto Darbhanga do. ...	10,277
(3)	Monghyr waterworks improvement scheme	82,029
(4)	Daltonganj waterworks supplementary scheme ...	32,855
(5)	Cuttack town water-supply	6,402
(6)	Improvement to surface drainage near zilla school at Hazaribagh.	5,030
(7)	Tube-well in Lalganj municipality	3,900
(8)	Patna-Bankipur water-supply 1st extension of mains for providing additional standposts in Tikiatoli and Mosallapur, Patna	6,070
(9)	Installation of chlorinator at Bahiara waterworks (Arrah) ..	4,661
(10)	Pucca drain from the culvert on the south of the Reserved Police Barracks to Bakerganj Nalla	3,492
(11)	Tube-wells at Chapra	3,800

Construction—

(1) *Bhagalpur waterworks.*—Work in the Tarbana Elevated Service Reservoir was in hand and some progress was made in the reorganization of the distribution system but due to staff being employed on urgent works in connection with the earthquake progress generally has not been as good as anticipated.

(2) *Jharia drainage.*—The new work for the southern outfall and the remainder of the work of the main outfall were completed and handed over to the Jharia Mines Board of Health.

(3) *Muzaffarpur waterworks.*—The reconstruction of the service reservoir on the Prince of Wales Garden has been completed but work in the Chandwara area was postponed as a result of the earthquake.

(4) *Patna-Bankipur waterworks.*—The remaining five of the six new tube-wells for the City Extension Scheme have been completed and on test found satisfactory. The new pumping plant has been ordered and it is hoped to complete this important scheme estimated to cost Rs. 7,36,728 before the end of 1935.

(5) *Patna drainage.*—Work has been started on the construction of the sewers and detailed proposal for the outfall works have been submitted to Government for approval. The scheme which is estimated to cost Rs. 9,17 lakhs is expected to be completed in about two years.

(6) *Puri waterworks.*—Good progress has been made with the completion of this important public health project of which the estimated cost is Rs. 11,184 lakhs. It is hoped to complete the work about October 1935.

(7) Small tube-wells with hand pumps have been completed at Lalganj and Roserah and a supply of water provided for Melas at Bihta, Sonepur, Bargaon, Angari, Phulwari and for the Rathjatra Festival at Puri.

(8) The municipalities of Arrah, Bhagalpur, Daltonganj, Gaya, Monghyr and Muzaffarpur were assisted in the maintenance of the public water-supplies and except for interruption caused by the earthquake there has not been any serious failure of a supply during the year.

(9) The Patna-Bankipur waterworks which now supplies the whole area of Patna City, west of the University and the New Capital area was maintained in a state of efficiency on behalf of the Joint Waterworks Committee.

S. E. PLATT,

Superintending Engineer, Public Health Circle
Bihar and Orissa.

APPEN

Table showing health services in Rural and Urban areas

District Board.	Rural areas.									
	Medical officers of Health.				Epidemic staff.	Sanitary and Health Inspectors.	Vaccinators.		School Medical officers.	Other Health staff.
	Holding D. P. H.		Licentiates L. M. P.				Male.	Female.		
	Whole time.	Part time.	Whole time.	Part time.						
1	2	3	4	5	6	7	8	9	10	11
Patna	1	...	...	...	1	12	76	...	...	27
Gaya	1	...	4	...	6	...	102	...	...	25
Shahabad	1	...	...	...	10	10	112	...	...	..
Patna Division	...	...	...	...	...	...	...	...	2	...
Saran	1	...	...	...	9	3	88	...	...	...
Champaran	1	...	...	...	18	10	89	...	...	1
Muzaffarpur	1	...	1	...	19	4	158	...	...	...
Darbhanga	1	...	3	...	...	10	88	...	...	...
Tirhut Division	...	...	...	...	...	...	...	...	2	...

DIX V.

ofBihar and Orissa Province during the year 1934.

Urban areas.										
Municipalities.	Medical officers of Health. Holding D. P. H. Whole time.	Medical officers of Health. Holding D. P. H. Part time.	Medical officers of Health. Licentiates (L. P. H. S.) Whole time.	Medical officers of Health. Licentiates (L. P. H. S.) Part time.	Sanitary and Health inspectors.	Vaccinators. Male.	Vaccinators. Female.	Inspector of vaccination.	School Medical Officers.	Other Health staff.
12	13	14	15	16	17	18	19	20	21	22
Patna City	1	...	...	...	4	7	...			8
Patna Administration Committee	...	1	...	...	3	1	...			...
Bihar	...	...	...	...	1	1	...			...
Dinapur Nizamat	...	...	...	...	1	1	...			...
Dinapur Cantonment ...	Senior medical officer, R. A. M. C. 1.	...	...	...	1	1	...	1	...	...
Barh	...	...	...	...	1	1	...			...
Khagole	...	...	...	...	1	1	...			...
Gaya	1	...	...	...	3	2	...		...	...
Tikari	...	...	...	...	...	1	...	1	...	...
Daudnagar	...	...	...	...	...	1	...	...	...	...
Arrah	...	...	...	...	2	2	...			...
Buxar	...	...	...	...	1	1	...	...	...	...
Dumraon	...	...	...	...	1	1	...	1	...	...
Jagdishpur	1	...	...	...	...	1	...			...
Sasaram	...	...	...	...	1	1	...			...
Bhabua	...	...	...	...	1	1	...			..
... ...	..	...	...	...	...	...	...	...	...	...
Chapra	...	...	...	...	1	3	...			...
Revelganj	...	...	...	..	1	1	...	1	...	...
Siwan	...	...	...	...	...	...	...			...
Bettiah	...	...	...	...	1	1	...	1	...	...
Motihari	...	...	...	...	1	1	...			...
Muzaffarpur	...	...	...	...	3	2	...			12
Sitamarhi	..	...	...	...	1	1	...	1	...	...
Hajipur	...	...	...	...	1	1	...			...
Lalganj	...	...	...	...	...	1	...			...
Darbhanga	1	...	...	...	2	2	...	...	...	9
Roserah	...	1	...	..	1	1	...	1	...	...
Samstipur	...	...	...	...	1	1	...			...
Madhubani	...	...	...	...	1	1	...	...	...	...
... ...	...	...	...	...	...	...	...	...	...	...

APPEN

Table showing health services in Rural and Urban areas

Rural areas.

District Board.	Medical officers of Health.				Epidemic staff.	Sanitary and Health Inspectors.	Vaccinators.		School Medical officers.	Other Health staff.
	Holding D. P. H.		Licentiates L. M. P.							
	Whole time.	Part time.	Whole time.	Part time.			Male.	Female.		
1	2	3	4	5	6	7	8	9	10	11
Monghyr	1	...	6	...	26	3	16	...	...	54
Bhagalpur	1	...	...	...	21	4	65	...	...	...
Purnea	1	...	...	...	16	4	79	...	...	...
Santal Parganas	...	...	...	...	1	...	11	1	...	...
Bhagalpur Division	...	...	...	...	...	...	...	...	2	...
Cuttack	1	...	...	...	3	4	99	...	...	11
Balasore	1	...	1	...	...	6	43	...	...	8
Puri	1	...	...	...	11	4	49	...	...	...
Sambalpur	...	...	...	...	9	...	2	...	...	...
Orissa Division	...	...	...	...	...	...	...	..	2	...
Hazaribagh	...	...	...	...	3	1	14	...	...	6
Ranchi	...	...	...	...	...	...	49	...	...	...
Palamau	...	...	...	...	4	...	26	...	...	...
Manbhum	...	...	...	...	5	1	...	...	...	...
Singhbhum	...	...	...	...	...	...	12	...	...	...
Chota Nagpur Division	...	...	...	...	...	...	...	...	2	...

DIX V.

of Bihar and Orissa Province during the year 1934—concld.

Municipalities.	Urban areas.										
	Medical officers of Health.				Sanitary and Health Inspectors.	Vaccinators.		Inspector of Vaccination.	School Medical Officers.	Other Health staffs.
	Holding D. P. H.		Licentiates (L. P. H. S.)			Male.	Female.			
	Whole time.	Part time.	Whole time.	Part time.						
12	13	14	15	16	17	18	19	20	21	22
	M. B., B.S.									
Monghyr	1	...	...	...	1	2	...	1	...	... 1
Jamalpur	...	1	...	...	2	1	...			
Bhagalpur	1	...	...	...	3	...	...	1	...	... 1
Colgong	...	...	...	...	...	...	...			
Purnea	...	..	...	...	1	1	...	1	...	...
Kishanganj	...	...	...	...	1	1	...			
Katihar	...	...	...	...	1	1	...			
Forbesganj	...	...	...	...	...	1	...			
Sahebganj	...	...	...	...	1	1	...	1	...	...
Deoghar	...	...	...	...	1	1	...			
Dumka	...	...	...	...	...	1	...			
Madhupur	...	...	...	...	1	1	...			
... ...	...	...	...	...	...	...	...	...	...	...
Cuttack	1	...	...	...	2	6	1	1	...	14
Kendrapara	...	...	...	...	1	1	...			2
Jajpur	...	...	...	...	1	...	...			
Balasore	...	...	...	...	1	1	...	1	...	...
Puri	1	...	...	...	2	1	...	1	...	...
Sambalpur	...	...	...	...	1	1	...	1	...	...
... ...	...	...	...	...	...	...	...	...	...	...
Hazaribagh	...	...	...	...	1	1	...	1	...	...
Chatra	...	...	...	...	...	1	...			
Giridih	...	...	...	...	1	...	...			
Ranchi	1	...	...	...	1	2	...	1	...	3
Lohardaga	...	...	...	...	...	1	..			
Daltonganj	...	...	...	...	1	1	...	1	...	...
Purulia	...	...	...	...	1	1	...	1	...	1
Raghunathpur	...	...	...	...	...	1	...			
Jhalda	...	...	...	...	1	1	...			1
Dhanbad	...	...	...	...	1	...	...			
Chaibassa	...	...	...	...	1	1	...	1	...	...
Chakradharpur	...	...	...	...	1	...	...			
Jugsalai	...	...	...	...	1	1	...	...	...	1
... ...	...	...	...	...	...	...	...	...		...

APPENDIX VI.

Table showing maternity and child welfare centres, health visitors and trained midwives in rural and urban areas in Bihar and Orissa during 1934.

District.	Maternity and child welfare.												Remarks.
	Centres maintained by—						Trained visitors.		Trained midwives.		Trained dais.		
	Government.		Local and municipal bodies.		Other agencies.								
	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Patna ...	...	6(*a*)	...	1(*a*)	...	3	...	4(*b*)	...	7	...	3	
Muzaffarpur ...	...	...	...	...	...	1	...	1	...	...	...	...	(*a*) Midwifery circles.
Darbhanga ...	...	...	...	1(*a*)	...	...	...	...	...	1	...	...	
Monghyr ...	...	...	...	...	...	1	...	1	...	...	...	1	(*b*) Including one Maternity Supervisor entertained by Government.
Cuttack ...	...	...	...	...	...	1	...	1(*c*)	...	5	...	...	
Balasore ...	...	...	...	...	...	1	...	...	...	1	...	2	
Puri ...	...	...	...	1(*a*)	...	...	...	...	...	1	...	...	
Sambalpur ...	...	...	...	1(*a*)	...	...	...	...	...	1	...	1	
Manbhum ...	...	...	...	1(*a*)	4	...	...	...	4	2	...	...	
Ranchi ...	...	...	...	...	...	1(*a*)	...	...	...	1	...	...	(*c*) Maternity Supervisor entertained by Government.
Total ...	...	6	...	5	4	8	...	7	4	19	...	7	

STATEMENT No. 1.

STATEMENT NO. I.—Showing particulars of Vaccination in the

Number.	District.		Population of district according to the census of 1931.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated. Male.	Female.	Total.	Average number of persons vaccinated by each vaccinator.	Primary Total.
1	2		3	4	5	6	7	8	9
	Patna Division.								
1	Patna	District excluding towns ...	1,846,474	78	37,299	31,354	68,653	880	63,580
		Towns		13	9,619	4,738	41,357	1,104	6,640
2	Gaya	District excluding towns ...	2,388,462	92	41,757	33,328	75,085	816	64,073
		Towns		4	1,616	1,268	2,884	721	2,391
3	Shahabad	District excluding towns ...	1,993,489	110	21,459	17,408	38,867	353	37,461
		Towns		7	2,186	1,503	3,689	527	3,008
	Total of Patna Division	District excluding towns ...	6,228,425	280	100,515	82,090	182,605	653	165,114
		Towns		24	13,421	7,509	20,930	872	12,039
	Tirhut Division.								
4	Saran	District excluding towns ...	2,486,468	98	33,571	25,517	59,088	673	50,767
		Towns		5	1,312	1,090	2,402	480	2,114
5	Champaran ...	District excluding towns ...	2,145,687	79	45,309	34,460	79,769	1,009	60,191
		Towns		2	1,905	1,045	2,950	1,475	1,116
6	Muzaffarpur ...	District excluding towns ...	2,941,025	46	113,565	81,873	195,438	4,249	105,933
		Towns		6	12,807	10,906	23,713	3,952	2,859
7	Darbhanga ...	District excluding towns ...	3,166,094	106	90,738	67,011	157,749	1,488	99,475
		Towns		5	4,806	2,491	7,297	1,459	2,681
	Total of Tirhut Division	District excluding towns ...	10,739,274	329	283,183	208,861	492,044	1,495	316,366
		Towns		18	20,830	15,532	36,362	2,020	8,770
	Bhagalpur Division.								
8	Monghyr	District excluding towns ...	2,287,154	73	69,123	48,686	117,809	1,614	62,060
		Towns		3	3,220	1,482	4,702	1,567	1,171
9	Bhagalpur	District excluding towns ...	2,234,632	35	83,674	56,765	140,439	4,012	67,288
		Towns		4	3,803	1,692	5,495	1,373	31,107
10	Purnea	District excluding towns ...	2,186,543	88	86,024	53,446	139,470	1,585	72,403
		Towns		4	2,061	1,175	3,236	809	1,378
11	Santal Parganas ...	District excluding towns ...	2,051,472	62	36,135	29,164	65,299	1,053	51,829
		Towns		4	1,648	789	2,437	609	1,072
	Total of Bhagalpur Division.	District excluding towns ...	8,759,801	258	274,956	188,061	463,017	1,795	253,580
		Towns		15	10,732	5,138	15,870	1,058	6,728
	Orissa Division.								
12	Cuttack	District excluding towns ...	2,176,707	50	63,069	32,989	96,058	1,921	41,030
		Towns		9	15,564	4,862	20,426	2,269	2,565
13	Balasore	District excluding towns ...	990,600	48	32,308	20,139	52,447	1,094	22,614
		Towns		2	1,165	369	1,534	767	368
14	Angul	... ...	222,736	13	13,024	9,985	23,009	1,770	7,587
15	Puri	District excluding towns ...	1,035,154	50	44,409	29,553	73,962	1,479	53,498
		Towns		2	5,418	1,562	6,980	3,490	1,972
16	Sambalpur	District excluding towns ...	880,945	37	26,439	19,370	45,809	1,238	18,064
		Towns		1	442	190	632	632	247
	Total of Orissa Division	District excluding towns ...	5,306,142	198	179,249	112,036	291,285	1,471	142,793
		Towns		14	22,589	6,933	29,572	2,112	5,152

districts of Bihar and Orissa during the year 1934-35.

Vaccination. Successful. Under one year.	One year and under six years.	Total of all ages.	Unknown.	Re-vaccination. Total.	Successful.	Unknown.	Percentage of successful cases in which the results were known. Primary.	Re-vaccination.	Persons successfully vaccinated per 1,000 of population.	Total cost of vaccination Department.	Number of all successful vaccinations and re-vaccinations performed by the vaccination staff only.	Average cost of each successful cases performed by the vaccination staff.
10	11	12	13	14	15	16	17	18	19	20	21	22
										Rs. a. p.		Rs. a. p.
13,067	48,384	63,553	4	5,073	3,168	813	99·96	74·37	41·63	5,470 10 6	76,865	0 1 1
2,048	3,751	6,034	200	7,717	2,424	2,058	93·69	42·83				
10,355	50,418	62,704	1,039	11,012	5,453	3,703	99·48	74·61	30·12	1,880 13 0	71,947	0 0 5
2,066	300	2,386	5	493	362	131	100·00	100·00				
8,284	23,436	37,384	39	1,406	684	104	99·90	68·42	20·97	4,768 2 6	41,795	0 1 1
1,801	1,172	2,973	18	681	145	61	99·43	23·39				
31,706	122,238	163,641	1,082	17,491	9,505	4,620	99·76	73·85	30·60	12,119 10 0	190,607	0 1 0
5,915	5,223	11,393	223	8,891	2,931	2,350	96·42	44·13				
9,106	37,441	49,632	763	8,321	5,462	1,289	99·26	77·67	23·31	2,266 14 0	57,967	0 0 7
833	1,230	2,093	4	388	165	26	99·19	62·97				
8,220	49,223	58,990	617	19,578	7,937	6,931	99·02	62·75	32·33	864 14 6	69,374	0 0 2
700	380	1,090	10	1,834	673	534	98·55	51·76				
10,595	91,195	105,388	109	89,505	35,495	24,055	99·50	54·23	50·36	4,919 11 6	148,102	0 0 7
461	2,349	2,827	13	20,854	3,815	10,741	99·33	37·72				
15,191	83,929	99,319	27	58,274	28,746	13,124	99·87	63·67	41·98	1,367 0 0	132,904	0 0 2
560	2,028	2,650	24	4,616	1,648	1,386	99·73	51·02				
43,112	264,788	313,329	1,516	175,678	77,640	45,399	99·52	59·59	38·02	9,418 8 0	408,347	0 0 4
2,554	5,987	8,660	51	27,592	6,301	12,687	99·32	42·28				
17,638	43,998	61,931	116	55,749	5,921	42,812	99·95	45·77	30·28	6,047 4 0	69,249	0 1 5
522	636	1,160	...	3,531	237	2,386	99·06	20·71				
25,285	40,254	67,119	55	73,151	32,426	21,311	99·83	62·55	47·09	2,687 6 3	105,233	0 0 4
757	2,280	3,107	...	2,388	774	500	100·00	4·99				
15,234	45,819	67,730	3,901	67,067	21,082	36,715	98·87	69·45	41·36	6,360 0 0	90,443	0 1 1
344	953	1,305	12	1,858	326	703	95·53	28·27				
24,955	26,191	51,309	442	13,470	4,408	6,652	99·85	64·65	28·19	8,407 0 9	57,842	0 2 4
572	434	1,042	13	1,365	146	362	98·39	14·55				
83,112	156,262	248,089	4,514	209,437	63,837	107,490	99·60	62·62	36·85	23,501 11 0	322,767	0 1 2
2,195	4,303	6,614	25	9,142	1,483	3,953	98·67	28·58				
13,150	22,579	38,704	2,104	55,028	2,275	51,920	99·43	73·19	23·55	2,899 12 9	51,274	0 0 11
330	1,678	2,195	224	17,861	7,651	7,297	93·76	72·42				
2,744	17,445	22,157	382	29,833	18,166	8,992	99·66	87·16	41·46	686 4 0	41,067	0 0 3
112	247	368	...	1,166	376	790	100·00	100·00				
3,237	4,052	7,314	237	15,422	5,382	9,426	99·51	89·76	57·00	2,146 12 0	12,696	0 2 8
4,444	32,944	46,113	5,811	20,464	6,108	11,631	97·75	69·15	59·83	373 0 0	54,667	0 0 1
163	916	1,537	284	5,008	688	2,714	91·05	29·99				
13,509	4,329	17,906	156	27,745	4,662	23,089	99·99	93·84	26·26	3,271 14 0	23,133	0 2 3
113	114	247	...	385	93	190	100·00	47·75				
37,081	81,349	132,194	8,690	148,492	36,533	105,058	98·58	84·11	34·46	9,377 10 9	182,837	0 0 10
718	2,955	4,347	508	24,420	8,808	10,991	93·40	65·59				

STATEMENT NO. I.—Showing particulars of Vaccination in the

Number.	District.		Population of district according to the census of 1931.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated. Male.	Female.	Total.	Average number of persons vaccinated by each vaccinator.	Primary Total.
1	2		3	4	5	6	7	8	9
	Chota Nagpur Division.								
17	Hazaribagh	District excluding towns ...	1,517,357	44	47,206	34,206	81,412	1,850	41,813
		Towns		3	1,504	885	2,387	796	1,327
18	Ranchi ...	District excluding towns ...	1,567,149	45	29,406	23,751	53,157	1,181	37,703
		Towns		4	5,054	2,023	7,077	1,769	1,934
19	Palamau	District excluding towns ...	818,736	29	19,449	13,888	33,337	1,149	22,029
		Towns		1	1,112	379	1,491	1,492	398
20	Manbhum	District excluding towns ...	1,810,890	70	45,988	34,931	80,919	1,156	48,375
		Towns		4	1,117	760	1,877	469	1,262
21	Singhbhum	District excluding towns ...	929,802	26	22,735	18,694	41,429	1,593	22,320
		Towns		3	2,090	1,232	3,323	1,107	914
	Total of Chota Nagpur Division.	District excluding towns ...	6,643,934	214	1,64,784	1,25,470	2,90,254	1,356	172,239
		Towns		15	10,875	5,279	16,154	1,077	5,835
	Total of Vaccine Department.	District excluding towns ...	37,677,576	1,279	1,002,687	716,518	1,719,205	1,344	1050,092
		Towns		86	78,447	40,441	118,888	1,383	38,524
		Total		1,365	1,081,134	756,959	1,838,093	1,346	1,088,616
	Jails		...	...	21,445	629	22,074	...	294
	Cantonments		...	...	479	215	694	...	422
	Total of dispensary staff ...		...	...	651	143	794	...	198
	Total of private medical practitioners ...		...	...	...	...	...	...	...
	Total of Railway Dispensary ...		...	...	1,012	434	1,446	...	227
	Cooly Depot		...	...	710	423	1,133	...	35
	Total of Colliery ...		...	...	2,586	390	2,976	...	37
	Grand Total ...		1,365	...	1,108,017	759,193	1,867,210	1,347	1,089,829

districts of Bihar and Orissa during the year 1934-35—concld.

Vaccination.				Re-vaccination.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Total costs of vaccination department.	Number of all successful vaccinations and revaccinations performed by the vaccination staff only.	Average cost of each successful cases performed by the vaccination staff.
Successful.												
Under one year.	One year and under six years.	Total of all ages.	Unknown.	Total.	Successful.	Unknown.	Primary.	Revaccination.				
10	11	12	13	14	15	16	17	18	19	20	21	22
										Rs. a. p.		Rs. a. p.
17,131	22,631	40,912	816	39,600	6,409	29,998	99·79	66·24	34·12	4,213 0 6	51,779	0 1 4
675	637	1,314	7	1,060	111	844	99·54	51·39				
32,106	5,489	37,668	10	15,454	10,380	2,826	99·93	82·20	34·07	4,747 1 6	53,397	0 1 5
1,684	248	1,934	...	5,143	2,831	1,474	100·00	77·16				
10,732	5,572	21 493	384	11,308	4,983	2,477	99·30	56·43	33·05	3,836 14 6	27,061	0 2 3
120	323	354	26	1,093	160	217	95·16	18·27				
13,642	32,825	47,217	772	32,544	15,539	8,228	99·19	63·90	35·82	5,905 12 8	64,864	0 1 5
261	919	1,251	9	615	206	261	99·84	58·19				
14,269	6,664	21,883	365	19,109	8,833	6,901	99·67	72·35	35·29	3,574 1 0	32,818	0 1 9
439	428	895	5	2,488	1,113	149	98·46	49·27				
87,880	73,181	169,173	2,347	118,015	46,144	50,430	99·58	48·79	34·60	22,276 13 9	229,919	0 1 7
3,179	2,455	5,748	47	10,319	4,421	2,945	99·31	59·95				
282,894	697,818	1,026,424	18,149	669,113	233,659	285,997	99·46	60·39	35·42	76,694 5 6	1,334,477	0 0 11
14,561	20,923	36,762	854	86,364	23,944	32,826	97·59	50·37				
297,455	718,741	1,063,186	19,003	749,477	257,603	318,823	99·40	59·82				
6	29	266	22	21,780	9,838	3,709	97·79	54·44	...	...	...	...
203	126	367	39	272	102	89	95·82	55·74	...	...	...	...
39	108	191	5	596	188	146	98·96	41·78	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
91	126	224	...	1,219	514	84	98·68	45·29	...	...	...	...
...	...	...	35	1,098	...	1,098	...	...	...	...	...	...
16	19	35	...	2,939	1961	..	94·59	66·72	...	...	...	...
297,810	719,149	1,064,271	19,104	777,381	270,206	350,949	99·40	63·36	35·42	76,694 5 6	1,334,477	0 0 11

SUMMARY.

—	Total number of persons vaccinated.		Total number of operations performed.		Percentage of successful cases in which the results were known.		Average number of persons vaccinated by each vaccinator.		Number of children successfully vaccinated.		Ratio of successful vaccinations per 1,000 of population.	Total cost of Department.	Average cost of each successful case.
	Primary.	Revaccination.	Primary.	Revaccination.	Primary.	Revaccination.	Vaccinators employed.	Persons vaccinated by each vaccinator.	Under one year.	One and under 6 years.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
												Rs. a. p.	Rs. a. p.
BY SPECIAL STAFF.													
Statement (I)	1,088,616	749,477	1,088,616	749,477	99·40	59·82	1,365	1,346	297,455	718,741	35·42	76,694 5 6	0 0 11
BY OTHER AGENCIES.													
Collieries, Dispensaries and Leper Asylum. Cooly Depôt, Jails and Cantonments.	1,213	27,904	1,213	27,904	97·39	55·33	...	...	355	408			
Total	1,089,829	777,381	1,089,829	777,381	99·40	63·36	1,365	1,346	297,810	719,149	35·42	76,694 5 6	0 0 11

Comparative statement no. II.—Showing the percentage of persons primarily vaccinated to the total number of vaccinations performed in the Province of Bihar and Orissa in each of the undermentioned official years.

Establishments.	Years.									
	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.
1	2	3	4	5	6	7	8	9	10	11
Government staff	...	14·17	25·46	14·13	7·36	9·56	9·99	...	4·02	5·23
Dispensaries	...	...	29·76	...	14·75	9·45	75·00	14·06	58·56	24·94
Municipal	43·40	49·70	62·34	73·47	71·71	64·03	67·13	30·88	29·00	33·07
District Board	60·52	55·95	52·10	60·14	67·12	70·70	64·30	38·61	17·94	42·69
Licensed vaccinators	92·11	93·02	96·21	97·60	97·59	92·75	97·29	90·97	84·19	70·93
Rails and collieries	28·12	31·91	29·82	34·22	35·35	34·23	28·78	21·47	9·04	5·97
Jails	3·88	1·75	1·09	1·49	1·34	1·11	0·78	2·20	0·89	1·33
Cooly Depôt	2·81	3·89	1·26	2·31	0·51	0·45	1·43	7·29	5·07	3·09
Cantonment	84·47	51·71	36·49	...	93·08	89·21	94·03	53·81	73·73	60·81

STATEMENT NO. III.—Showing particulars of vaccination

District.	Total number of persons vaccinated.		Total number inspected— By Assistant Directors of Public Health or Superintendent of Vaccination.				By Native Superintendents or other Inspecting Officers.				Percentage of By Assistant Director or Superintendent	
			Assistant Directors of Public Health.		Superintendent of vaccanation.		District Inspectors and Health Inspectors.		Sub-Inspectors.		Assistant Directors of Public Health.	
	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
1	2	3	4	5	6	7	8	9	10	11	12	13
Patna	70,656	14,512	4,215	...	2,898	11	...	...	8,638	566	5·96	...
Gaya	66,472	13,368	3,417	...	...	...	1,833	362	4,457	2,368	5·14	...
Shahabad	40,553	3,056	3,705	...	3,713	79	1,021	224	4,584	367	9·13	...
Saran	52,884	9,795	1,936	...	...	...	...	...	2,160	1	3·66	...
Champaran ...	61,307	22,768	2,022	...	4,062	1,269	6,842	3,578	18,870	9,716	3·30	...
Muzaffarpur ...	108,792	112,227	5,318	...	19,025	...	19,290	74	32,039	129	4·89	...
Darbhanga ...	102,207	63,889	5,171	...	2,525	...	...	...	12,508	972	5·06	...
Monghyr	63,231	59,280	1,303	...	957	...	10,047	...	19,015	...	2·06	...
Bhagalpur ...	70,508	79,758	2,070	...	8,718	4,550	5,005	506	15,050	850	2·93	...
Purnea	73,781	68,925	2,632	...	3,989	158	6,158	207	41,397	4,181	3·57	...
Santal Parganas ...	53,120	17,720	7,286	...	1,272	...	9,796	79	15,193	932	13·72	...
Cuttack	43,606	73,833	1,987	...	960	245	2,085	...	112	...	4·56	...
Balasore	22,982	30,999	1,745	...	42	...	2,976	595	6,765	5,614	7·59	...
Angul	7,603	15,603	1,702	...	563	181	1,865	3,165	1,291	309	22·38	...
Puri	55,470	26,243	3,052	...	3,355	705	6,998	2,767	...	...	5·50	...
Sambalpur	18,311	28,892	1,705	...	1,079	917	1,986	4,413	1,716	11,536	9·31	...
Hazaribagh ...	43,293	45,543	3,320	...	216	1	2,182	433	6,925	30	7·67	...
Ranchi	39,683	31,920	2,749	...	...	...	7,493	...	16,615	228	6·93	...
Palamau	22,446	13,192	2,766	...	1,300	1,091	3,916	636	8,716	1,573	13·32	...
Manbhum	49,690	34,093	2,671	...	1,311	934	2,721	181	15,142	14,758	5·37	...
Singhbhum ...	23,234	21,766	2,048	...	617	257	1,849	596	5,069	1.438	8·81	...
TOTAL	1,089,829	777,381	62,820	...	56,603	10,398	94,053	17,816	239,262	55,568	5·76	...

verified by Inspecting Officers during the year 1934-35.

Inspection to total number vaccinated.						Percentage of cases found successful to total number inspected.									
tors of Public Health of Vaccination.		By Native Superintendents or other Inspecting Officers.				By Assistant Directors of Public Health or Superintendent of Vaccination.				By Native Superintendents or other Inspecting Officers.				Percentage of successful cases reported by vaccinators.	
Superintendent of Vaccination.		District Inspectors and Health Inspectors.		Sub-Inspectors.		Assistant Directors of Public Health.		Superintendent of Vaccination.		District Inspectors and Health Inspectors.		Sub-Inspectors.			
Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
4·10	0·07	...	...	12·20	3·90	93·07	...	96·20	100·00	...	...	97·70	70·32	99·00	47·00
...	...	2·74	2·71	6·70	17·71	94·06	...	...	...	99·23	67·12	98·50	48·70	98·76	54·40
9·15	2·58	2·52	7·33	11·30	10·37	86·77	...	95·15	100·00	100·00	100·00	92·28	100·00	99·11	33·06
...	...	...	...	4·08	0·01	97·62	...	...	...	...	...	99·03	...	99·25	75·85
6.62	5·57	11·16	15·71	30·78	42·67	97·62	...	99·36	79·51	99·74	59·97	98·59	55·45	98·78	60·00
17·49	...	17·73	0·07	29·45	0·11	98·15	...	93·97	...	98·27	70·27	99·38	749·44	99·46	35·54
2·47	...	...	...	12·23	...	98·45	...	100·00	...	...	...	92·60	100·00	99·80	48·30
1·51	...	15·88	...	30·07	...	99·30	...	100·00	...	99·75	...	99·48	...	99·79	10·38
12·36	5·70	7·10	0·63	21·34	1·06	98·59	...	100·00	100·00	100·00	100·00	100·00	100·00	99·75	44·32
5·41	0·23	8·35	0·30	56·11	6·07	91·56	...	95·64	56·33	97·43	32·36	99·49	64·00	93·56	31·00
2·39	...	18·44	0·44	28·60	5·25	95·14	...	98·66	...	95·00	43·03	99·02	74·14	77·28	30·69
2·21	0·33	4·78	...	7·14	...	96·17	...	88·02	15·51	65·18	...	77·83	...	99·42	73·19
0·18	...	12·95	1·92	29·44	18·11	88·93	...	100·00	...	49·13	62·69	98·59	92·21	95·30	47·15
7·40	1·16	24·53	20·28	16·98	1·98	96·64	...	100·00	...	76·46	25·02	93·26	...	96·40	34·80
6·05	2·68	12·61	10·54	...	...	96·12	...	97·11	50·21	99·18	35·70	...	...	93·86	44·40
5·89	3·17	10·85	15·27	9·37	39·93	96·16	...	99·81	35·33	91·64	26·24	66·84	6·26	99·14	17·24
0·50	0·002	5·04	0·95	15·99	0·06	97·83	...	97·68	...	99·41	66·51	98·09	23·33	97·87	20·65
...	...	18·88	...	46·91	1·08	94·68	...	...	...	99·83	...	97·91	74·56	99·94	89·36
5·79	8·27	17·45	4·82	38·83	11·93	98·34	...	96·69	34·46	97·38	31·92	95·75	35·78	97·33	39·52
2·64	2·74	5·48	0·53	30·47	43·29	99·51	...	99·85	75·16	99·71	60·77	84·37	39·14	99·99	57·10
2·66	1·18	7·96	2·74	21·81	6·60	99·75	...	99·35	96·15	99·51	56·88	99·51	71·69	98·04	46·11
5·19	1·34	8·63	2·29	21·95	7·15	96·99	...	96·62	74·83	95·65	42·23	97·37	46·86	97·25	44·76

STATEMEENT NO. IV.—Showing side by side the ratios per mille of population

District.	1925-26.		1926-27.		1927-28.		1928-29.	
	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.
1	2	3	4	5	6	7	8	9
Patna	0·49	45·73	1·69	60·52	1·07	45·78	0·49	33·32
Gaya	0·46	29·72	2·21	31·69	1·21	25·92	0·30	27·20
Shahabad	0·16	31·15	0·99	40·83	1·60	31·64	0·37	24·90
Saran	0·50	34·76	0·50	32·75	0·75	36·49	0·19	36·99
Champaran	0·65	28·24	0·98	29·89	0·34	23·24	0·07	23·84
Muzaffarpur	0·24	35·23	0·36	36·37	0·56	37·26	0·18	35·52
Darbhanga	0·12	34·67	0·27	35·85	0·34	39·22	0·16	36·36
Monghyr	0·11	35·18	0·62	37·92	0·93	36·65	0·53	38·29
Bhagalpur	0·13	36·64	0·65	38·90	1·13	40·63	0·45	38·32
Purnea	0·17	24·06	0·69	25·45	0·95	25·03	0·65	23·77
Santal Parganas	0·17	34·66	0·90	37·47	1·06	36·28	0·46	34·28
Cuttack	2·50	30·39	2·92	21·99	0·95	26·65	0·18	20·00
Balasore	1·71	36·12	2·34	43·48	1·42	28·22	0·43	36·65
Angul	...	109·19	0·06	95·66	0·08	90·45	0·03	61·65
Puri	7·21	64·43	3·54	48·92	0·47	48·59	0·08	39·80
Sambalpur	0·60	27·71	0·68	26·31	0·27	25·21	0·22	26·66
Hazaribagh	0·34	34·75	1·00	35·97	0·73	38·77	0·30	38·74
Ranchi	0·34	43·01	1·02	45·63	0·39	43·34	0·24	40·73
Palamau	0·06	28·92	0·28	30·84	1·01	30·57	1·35	30·66
Manbhum	0·32	46·18	0·42	48·32	0·17	45·66	0·06	38·51
Singhbhum	0·52	33·75	0·16	29·44	0·13	28·59	0·12	27·58
Total ...	0·67	35·33	1·05	36·71	0·79	35·10	0·31	32·72

of deaths from small-pox and the ratios of successful vaccinations per mille of population during the ten years ending 1934-35.

1929-30.		1930-31.		1931-32.		1932-33.		1933-34.		1934-35.	
Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.	Ratio of deaths from small-pox.	Ratio of successful vaccination per mille of population.
10	11	12	13	14	15	16	17	18	19	20	21
0·40	28·34	0·23	25·86	0·30	26·19	0·68	41·13	0·56	35·65	0·24	41·63
0·27	30·24	0·56	30·79	0·29	25·96	1·15	41·84	1·96	37·20	0·58	30·12
0·16	23·68	0·32	23·65	0·53	25·31	1·20	29·36	1·12	26·07	0·39	20·97
0·19	41·23	0·17	33·68	0·34	52·43	1·29	39·63	1·18	47·99	0·14	23·31
0·10	24·51	0·06	20·98	0·12	20·44	0·85	27·41	1·06	31·13	0·20	32·33
0·25	36·18	0·06	34·63	0·06	31·32	0·37	37·23	0·77	49·18	0·15	50·36
0·12	37·63	0·18	35·54	0·17	32·47	0·44	37·89	0·45	34·29	0·26	41·98
0·45	35·86	0·42	30·35	0·16	28·85	0·57	32·96	1·33	31·44	0·70	30·28
0·16	35·17	0·08	34·53	0·07	34·15	0·41	37·20	1·06	47·24	0·51	47·09
0·18	22·20	0·08	21·38	0·05	19·67	0·24	24·55	1·44	36·84	2·55	41·36
0·20	31·32	0·36	34·28	0·25	30·05	0·27	33·04	0·33	30·22	0·57	28·19
0·09	23·20	0·50	19·61	0·44	27·64	1·14	21·24	3·30	20·76	2·20	23·55
0·09	44·98	0·29	40·12	0·13	40·02	0·40	44·92	1·09	35·10	0·54	41·46
...	49·20	...	46·76	...	39·75	0·009	36·35	0·004	59·21	0·26	57·00
0·02	44·86	0·06	45·27	0·26	44·41	1·87	47·29	4·38	57·07	2·06	59·83
0·17	24·82	0·76	29·37	1·40	30·28	1·31	23·60	0·72	24·34	1·18	26·26
0·15	35·92	0·13	36·81	0·10	33·96	0·07	34·05	0·59	38·83	0·81	34·12
0·08	40·80	0·04	55·24	0·05	35·04	0·46	49·73	0·41	36·95	0·10	34·07
0·95	30·67	0·43	33·58	0·23	37·35	0·31	23·96	0·51	28·68	0·54	33·07
0·05	35·79	0·13	38·93	0·05	30·53	0·02	32·57	0·16	35·58	0·18	35·82
0·11	29·46	0·27	35·62	0·14	25·28	...	22·71	0·39	37·41	0·59	35·29
0·19	32·81	0·24	32·05	0·23	29·72	0·64	34·26	1·12	36·09	0·67	35·42

STATEMENT NO. V.—Showing the protection afforded to infants in each town in the Province of Bihar and Orissa during the year 1934-35.

District.	Towns.	Number of births during the year ending 31st March 1935.	Number of deaths amongst infants under one year during the year ending 31st March 1935.	Number of successful vaccinations amongst infants under one year during the year ending 31st March 1935.	Date of extension of Vaccination Act to town.
1	2	3	4	5	6
Patna ...	Patna ...	3,190	546	979	1st October 1884.
	Bihar ...	705	74	664	1st April 1887.
	Dinapur ...	1,186	146	486	28th January 1891.
	Barh ...	253	28	54	1st April 1887.
	Khagole ...	143	12	68	12th July 1910.
	Total ...	5,477	806	2,251	
Gaya ...	Gaya ...	2,624	886	1,664	1st January 1883.
	Tikari ...	288	45	122	3rd January 1891.
	Daudnagar ...	414	73	280	Ditto.
	Total ...	3,326	1,004	2,066	
Shahabad ...	Arrah ...	417	46	733	20th July 1885.
	Buxar ...	324	55	140	1st April 1887.
	Dumraon ...	299	23	52	Ditto.
	Jagadispur ...	247	29	207	20th December 1890.
	Sassaram ...	594	77	586	1st April 1887.
	Bhabhua ...	161	14	83	Ditto.
	Total ...	2,042	244	1,801	
	Total of Patna Division.	10,845	2,054	6,118	
Saran ...	Chapra ...	1,500	275	352	1st April 1887.
	Revelganj ...	386	56	187	12th December 1890.
	Siwan ...	585	52	294	1st April 1887.
	Total ...	2,471	383	833	
Champaran ...	Motihari ...	356	35	270	1st April 1887.
	Bettiah ...	421	25	430	Ditto.
	Total ...	777	60	700	

STATEMENT NO. V.—Showing the protection afforded to infants in each town in the Province of Bihar and Orissa during the year 1934-35—contd.

District.	Towns.	Number of births during the year ending 31st March 1935.	Number of deaths amongst infants under one year during the year ending 31st March 1935.	Number of successful vaccinations amongst infants under one year during the year ending 31st March 1935.	Date of extension of Vaccination Act to town.
1	2	3	4	5	6
Muzaffarpur ...	Muzaffarpur ...	882	124	251	1st January 1886.
	Sitamarhi ...	291	53	42	1st April 1887.
	Hajipur ...	632	103	131	1st May 1890.
	Lalganj ...	324	47	37	1st April 1887.
	Total ...	2,129	327	461	
Darbhanga ...	Darbhanga ...	1,701	215	302	24th May 1884.
	Roserah ...	266	27	38	3rd January 1891
	Samastipur ...	219	35	46	25th July 1910.
	Madhubani ...	542	60	174	1st April 1887.
	Total ...	2,728	337	560	
	Total of Tirhut Division.	8,105	1,107	2,554	
Monghyr ...	Monghyr ...	966	124	325	15th November 1882.
	Jamalpur ...	881	115	197	Ditto.
	Total ...	1,847	239	522	
Bhagalpur ...	Bhagalpur ...	1,663	239	668	15th February 1884, withdrawn on 16th October 1895; re-extended on 18th August 1898.
	Colgong ...	115	24	89	Ditto, re-extended on 19th December 1901.
	Total ...	1,778	263	757	
Purnea ...	Purnea ...	219	41	168	1st July 1887.
	Kishanganj ...	144	18	59	12th November 1892.
	Katihar ...	92	21	91	8th August 1910.
	Forbesganj ...	173	23	26	9th August 1912.
	Total ...	628	103	344	

STATEMENT NO. V.—Showing the protection afforded to infants in each town in the Province of Bihar and Orissa during the year 1934-35—contd.

District.	Towns.	Number of births during the year ending 31st March 1935.	Number of deaths amongst infants under one year during the year ending 31st March 1935.	Number of successful vaccinations amongst infants under one year during the year ending 31st March 1935.	Date of extension of Vaccination Act to town.
1	2	3	4	5	6
Santal Parganas ...	Sahibganj ...	108	14	185	1st May 1884.
	Deoghar ...	83	13	108	Ditto.
	Madhupur ...	83	12	141	22nd August 1910.
	Dumka ...	103	8	138	Notifications, dated the 9th April 1884, and 23rd August 1910.
	Total ...	377	47	572	
	Total of Bhagalpur Division.	4,630	652	2,195	
Cuttack ...	Cuttack ...	709	80	284	1st September 1884.
	Kendrapara ...	207	94	40	7th February 1888.
	Jajpur ...	182	36	6	Ditto.
	Total ...	1,198	210	330	
Balasore ...	Balasore ...	367	75	112	7th February 1888.
Puri ...	Puri ...	810	242	163	Ditto.
Sambalpur ...	Sambalpur ...	336	66	113	7th March 1895.
	Total of Orissa Division.	2,711	593	718	
Hazaribagh ...	Hazaribagh ...	401	42	329	1st January 1885.
	Chatra ...	193	8	147	1st August 1885.
	Giridih ...	205	10	139	8th September 1910.
	Total ...	799	60	615	
Ranchi ...	Ranchi ...	572	24	1,195	1st April 1887.
	Lohardaga ...	204	30	489	25th June 1882.
	Total ...	776	54	1,684	

STATEMENT NO. V.—Showing the protection afforded to infants in each town in the Province of Bihar and Orissa during the year 1934-35—concld.

District.	Towns.	Number of births during the year ending 31st March 1935.	Number of deaths amongst infants under one year during the year ending 31st March 1935.	Number of successful vaccinations amongst infants under one year during the year ending 31st March 1935.	Date of extension of Vaccination Act to town.
1	2	3	4	5	6
Palamau ...	Daltonganj ...	189	26	120	9th October 1890.
Manbhum ...	Purulia ...	474	53	159	1st January 1887.
	Raghunathpur ...	226	24	15	9th February 1894.
	Jhalda ...	190	13	76	9th July 1892.
	Dhanbad ...	220	34	11	5th December 1918.
	Jamshedpur ...	13,623	1,786	1,815	Since the constitution of the Board.
	Total ...	14,733	1,910	2,076	
Singhbhum ...	Chaibassa ...	326	36	213	20th June 1892.
	Chakradharpur ...	157	24	113	13th January 1919.
	Jugsalai ...	236	10	113	1st April 1924.
	Total ...	719	70	439	
	Total of Chota Nagpur Division.	17,216	2,120	4,934	
	Total for the Province	43,507	6,526	16,519	

ANNEXURE

Provincial Statement showing the different kinds of lymph

District.	Primary vaccination.											
	Direct from the calf.					With lanoline or glycerine lymph.					Arm-to-arm.	
	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases.	Total.	Successful.
1	2	3	4	5	6	7	8	9	10	11	12	13
Patna	...	...	...	...	...	70,656	69,967	445	244	99·02	...	...
Gaya	...	...	...	...	...	66,472	65,093	330	1,044	97·92	...	...
Shahabad	...	...	...	...	...	40,553	40,441	55	57	99·72	...	...
Saran	...	...	...	...	...	52,884	51,728	389	767	97·81	...	...
Champaran	...	...	...	...	...	61,307	60,080	600	627	97·99	...	...
Muzaffarpur	...	...	...	...	...	108,792	108,215	455	122	99·47	...	...
Darbhanga	...	...	...	...	...	102,207	102,017	139	51	99·81	...	...
Monghyr	...	...	...	...	...	63,231	63,091	24	116	99·77	...	...
Bhagalpur	...	...	...	...	...	70,508	70,312	120	76	99·72	...	...
Purnea	...	...	...	...	...	73,781	69,035	833	3,913	93·57	...	...
Santal Parganas	...	...	...	...	...	53,120	52,570	95	455	98·96	...	...
Cuttack	...	...	...	...	...	43,606	40,910	368	2,328	93·82	...	...
Balasore	...	...	...	...	...	22,982	22,525	75	382	98·01	...	...
Angul	...	...	...	...	...	7,603	7,314	36	253	96·20	...	...
Puri	...	...	...	...	...	55,470	47,650	1,725	6,095	85·90	...	...
Sambalpur	...	...	...	...	...	18,311	18,153	2	156	99·14	...	...
Hazaribagh	...	...	...	...	...	43,293	42,371	94	828	97·87	...	...
Ranchi	...	...	...	...	...	39,683	39,648	25	10	99·91	...	...
Palamau	...	...	...	...	...	22,446	21,847	170	429	97·33	...	...
Manbhum	...	...	...	...	...	49,690	48,521	388	781	97·65	...	...
Singhbhum	...	...	...	...	...	23,234	22,778	86	370	98·04	...	...
Total ...	...	...	...	...	...	1,089,829	1,064,271	6,454	19,104	97·65	...	...

BOGP(DPH)9—575—17-2-1936—SCM & others.

II.

used and their rates of success during the year 1934-35.

vaccination.			Re-vaccination.														
			Direct from the calf.					With lanoline or glycorine lymph.					Arm-to-arm vaccination.				
Unsuccessful.	Unknown.	Percentage of successful cases.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases.	Total.	Successful.	Unsuccessful.	Unknown.	Percentage of successful cases.
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
...	...	...	...	...	...	...	...	14,512	6,898	4,618	2,996	47·53	...	...	...	...	...
...	...	...	...	...	...	...	...	13,368	6,849	1,856	4,663	51·23	...	...	...	...	...
...	...	...	...	...	...	...	...	3,056	1,354	893	809	44·31	...	...	...	...	...
...	...	...	...	...	...	...	...	9,795	6,239	1,986	1,570	63·69	...	...	...	...	...
...	...	...	...	...	...	...	...	22,768	9,294	5,723	7,751	40·82	...	...	...	...	...
...	...	...	...	...	...	...	...	112,227	39,887	37,125	35,215	35·54	...	...	...	...	...
...	...	...	...	...	...	...	...	63,889	30,887	18,416	14,586	48·34	...	...	...	...	...
...	...	...	...	...	...	...	...	59,280	6,158	7,924	45,198	10·38	...	...	...	...	...
...	...	...	...	...	...	...	...	79,758	34,921	22,817	22,020	43·78	...	...	...	...	...
...	...	...	...	...	...	...	...	68,925	21,408	10,097	37,420	31·06	...	...	...	...	...
...	...	...	...	...	...	...	...	17,720	5,272	4,857	7,591	29·75	...	...	...	...	...
...	...	...	...	...	...	...	...	73,833	10,364	4,103	59,366	14·04	...	...	...	...	...
...	...	...	...	...	...	...	...	30,999	18,542	2,675	9,782	59·81	...	...	...	...	...
...	...	...	...	...	...	...	...	15,603	5,382	614	9,607	34·49	...	...	...	...	...
...	...	...	...	...	...	...	...	26,243	7,017	4,710	14,516	26·74	...	...	...	...	...
...	...	...	...	...	...	...	...	28,892	4,980	546	23,366	17·24	...	...	...	...	...
...	...	...	...	...	...	...	...	45,542	9,408	5,210	30,924	20·65	...	...	...	...	...
...	...	...	...	...	...	...	...	21,920	13,749	3,575	4,596	62·72	...	...	...	...	...
...	...	...	...	...	...	...	...	13,192	5,214	4,708	3,270	39·52	...	...	...	...	...
...	...	...	...	...	...	...	...	34,093	16,343	9,157	8,593	47·94	...	...	...	...	...
...	...	...	...	...	...	...	...	21,766	10,040	4,616	7,110	46·12	...	...	...	...	...
...	...	...	...	...	...	...	...	777,381	270,206	156,226	350,949	34·76	...	...	...	...	...

No. 642-L.S.-G.

GOVERNMENT OF BIHAR AND ORISSA.

(MINISTRY OF LOCAL SELF-GOVERNMENT.)

RESOLUTION.

The 15*th January* 1936.

READ—

The Public Health Report for the year 1934 and the Vaccination Report for the year 1934-35.

1. *Vital statistics.*—The total number of births during the year was 1,268,330 as compared with 1,346,948 in the previous year. The total number of deaths increased from 833,397 in the previous year to 981,599 in the year under review. This increase is due to higher mortality from cholera and fever. The excess of the birth-rate over the death-rate was 7·7 only as compared with 13·6 in the previous year. The verification of the records of vital statistics both in urban and rural areas continued to receive the attention of the Public Health Department. The number of municipalities to whom the responsibility of collection, tabulation and checking of vital occurrences has been transferred remained the same as in the previous year. It is desirable that more municipalities should take over this responsibility, but those which have no properly qualified health officer are hardly in a position to do so.

2. *Infant mortality.*—Government view with great concern a further increase in the rate of infant mortality from 135·9 to 149·95 per thousand on the basis of actual births recorded during the year under review. The attention of the local bodies is again drawn to the importance of organizing maternity and child-welfare work in their areas, without which there is very little chance of improvement.

3. *Cholera.*—The total number of deaths from cholera rose from 17,514 to 57,289, and the corresponding death rate from 0·5 to 1·5. Cholera broke out in epidemic form in the three coastal districts of Orissa at the beginning of the year and it was prevalent more or less throughout the year. In March and April most of the districts in the province began to report sporadic cases of cholera, but from the beginning of May it assumed serious proportions in most of the districts of south Bihar and Chota-Nagpur. The incidence of cholera in those districts of north Bihar which had been affected most by the earthquake was comparatively low. Epidemic doctors were, as usual, detailed by the Public Health Department of Government to assist the local bodies in combating the epidemic. The demands for these doctors were numerous from the districts which have no permanent health organization. Disinfectants and cholera vaccines were supplied as usual. The steady increase in the number of doses of cholera vaccine issued from the Government Vaccine Depôt at Namkum shows that it is gaining popularity. No objection is raised to its use even in the remote villages. The usual preventive measures were taken in all important melas and festivals, especially during the Snan and Rathjatra festivals at Puri where cholera breaks out almost every year during this period.

4. *Bacteriophage.*—The Indian Research Fund Association closed down the bacteriophage enquiry at Patna at the beginning of the year, but the local Government continued the work at their own cost. Choleraphage was prepared and supplied to various towns and districts in the province during the cholera epidemic, and its use produced favourable results as in the previous years. It was extensively used during Rath and Snan Jatra at Puri through drinking water. Owing to the increasing demands for the phage, arrangements have been made for its production in larger quantities.

5. *Small-pox.*—It is gratifying to note that the total number of deaths from small-pox decreased from 42,674 to 30,310 and the death rate was 0·8 against 1·1 in the preceding year. The lower death rate in the opinion of the Director of Public Health was due to the recession of the epidemic wave experienced during the previous year. The rural areas suffered more than the urban areas, and the highest death rate was registered in the districts of Cuttack and Purnea, while the districts of Muzaffarpur, Saran, Champaran and Darbhanga returned the lowest death rate. Among the towns, Puri, Jamalpur and Daudnagar reported the highest death rates. Primary vaccination was carried on extensively in all the districts, and compulsory primary vaccination has been enforced in ten districts up to date. The control of vaccination has been transferred to the districts which have public health organizations under district health officers. It is hoped that in the near future all the districts of the province will be in a position to take over the direct control of this important public health measure. In view of the apprehension of an outbreak of small-pox in the earthquake affected areas in north Bihar, special regulations for the prevention and control of small-pox were enforced under section 2A of the Epidemic Diseases Act from March to September 1934.

6. *Plague.*—5,411 deaths occurred from plague against 1,635 in the preceding year, and the death rate was 0·1 as compared with 0·04 in the previous year. After many years it broke out in the district of Champaran with 107 deaths. Out of them 63 deaths were reported from Bettiah town which got infected immediately after the earthquake. Necessary preventive measures were taken by the Public Health Department of Government.

7. *Dropsy.*—During the year under review dropsy broke out in epidemic form in the Sadr subdivision of the district of Manbhum, and 839 deaths were reported from the affected areas. The Assistant Director of Public Health, Chota Nagpur and Orissa Circle, visited the affected areas several times and a batch of doctors under Col. R. N. Chopra, C.I.E., I.M.S., of the School of Tropical Medicine, Calcutta, also visited Purulia for investigation.

8. *School Medical Inspection.*—All the School Medical Officers and Assistant School Medical Officers were detailed to the earthquake affected areas as an emergency measure for the greater part of the year, and consequently not much school medical inspection work was performed during the year. 2,287 boys and 485 girls were examined. Out of them 963 boys and 377 girls were found to be defective. On re-examination 367 boys and 94 girls were found to have been benefited by their medical examination.

9. *Earthquake in Bihar.*—Immediately after the earthquake the Public Health Department sent out doctors with first aid equipment to Monghyr and a party of seven medical officers of health and the Assistant Director of Public Health, South Bihar Circle, to North Bihar. These officers successfully organized the daily cleaning of the roads and drains, removal of nightsoil, disinfection of drinking water-supply and other preventive measures to check the spread of epidemics in the affected areas.

10. *Public Health Department (Engineering Branch).*—A summary of the activities of this Department relating to sanitary works in areas under the jurisdiction of local bodies during the year is appended to the report.

11. The office of the Director of Public Health was held by Lt.-Col. J. A. S. Phillips, C.I.E., I.M.S., from the 1st January to the 8th April. During the remaining period, Lt. Col. S. L. Mitra, I.M.S., was in charge. Government desire to thank both these officers for their successful administration of the Department, with which the relations of the local bodies continued to be cordial. Government have also noted the names of the subordinate officers commended in the report.

By order of the Government of Bihar and Orissa
(Ministry of Local Self-Government),
W. G. LACEY,
Secretary to Government.